SAFETY DATA SHEET
(REACH regulation (EC) n° 1907/2006 - n° 453/2010)

SECTION 1 : IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1. Product identifier
Product name: TINFIX DESIGN BERGAMOTTE
Product code: N146006.004.

1.2. Relevant identified uses of the substance or mixture and uses advised against

1.3. Details of the supplier of the safety data sheet
Registered company name: Max Sauer SAS.
Address: 2 rue Lamarck, 22000 Saint Brieuc, France.
Telephone: 0033(0)2 96 68 20 00. Fax: 0033(0)2 96 77 00 65.
mail@raphael.fr

1.4. Emergency telephone number: +33 (0)1 45 42 59 59.

SECTION 2 : HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture
In compliance with EC regulation No. 1272/2008 and its amendments.
Eye irritation, Category 2 (Eye Irrit. 2, H319).
Skin sensitisation, Category 1 (Skin Sens. 1, H317).
Hazardous to the aquatic environment - Chronic hazard, Category 2 (Aquatic Chronic 2, H411).
This mixture does not present a physical hazard. Refer to the recommendations regarding the other products present on the site.

Skin sensitisation (Xi, R 43).
Aquatic environmental hazard, chronic toxicity: toxic (N, R 51/53).
This mixture does not present a physical hazard. Refer to the recommendations regarding the other products present on the site.

2.2. Label elements
In compliance with EC regulation No. 1272/2008 and its amendments.
Hazard pictograms:

GHS07, GHS09
Signal Word: WARNING
Product identifiers:
6134167-00-5

Additional labeling: For professional use only.
H317 May cause an allergic skin reaction.
H319 Causes serious eye irritation.
H411 Toxic to aquatic life with long lasting effects.
Precautionary statements - General:
- P101: If medical advice is needed, have product container or label at hand.
- P102: Keep out of reach of children.
- P103: Read label before use.

Precautionary statements - Prevention:
- P261: Avoid breathing dust/fume/gas/mist/vapours/spray.
- P264: Wash ... thoroughly after handling.
- P272: Contaminated work clothing should not be allowed out of the workplace.
- P273: Avoid release to the environment.
- P280: Wear protective gloves/protective clothing/eye protection/face protection.

Precautionary statements - Response:
- P302 + P352: IF ON SKIN: Wash with plenty of soap and water.
- P305 + P351 + P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- P321: Specific treatment (see ... on this label).
- P333 + P313: If skin irritation or rash occurs: Get medical advice/attention.
- P363: Wash contaminated clothing before reuse.

Precautionary statements - Disposal:
- P501: Dispose of contents/container to ... In compliance with directives 67/548/EEC, 1999/45/EC and their amendments.

Hazard symbols:
- Irritant
- Dangerous for the environment

Contains:

Risk phrase:
- R 51/53: Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
- R 43: May cause sensitisation by skin contact.

Safety phrase:
- S 2: Keep out of the reach of children.
- S 24: Avoid contact with skin.
- S 29: Do not empty into drains.
- S 37: Wear suitable gloves.
- S 46: If swallowed, seek medical advice immediately and show this container or label.
- S 13: Keep away from food, drink and animal feedingstuffs.


2.3. Other hazards
No data available.
SECTION 3 : COMPOSITION/INFORMATION ON INGREDIENTS

3.1. Substances
No substances fulfil the criteria set forth in annexe II section A of the REACH regulation (EC) n° 1907/2006.

3.2. Mixtures

<table>
<thead>
<tr>
<th>Composition:</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Name</strong></td>
</tr>
<tr>
<td>2-(2-BUTOXYETHOXY)ETHANOL</td>
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</tbody>
</table>
| 2,5-DICHLORO-4-[4-[5-[[2-8(6-)-]]
| CAS: 112-34-5 | H:319 | R: 36 |
| 5CHLORO-2-METHYL-4-ISOTHIAZOLIN-3-ONE [EC NO. 247-500-7] AND 2-METHYL-2HISOTHIAZOL-3-ONE [EC NO. 220-239-6] (3:1) | GHS06, GHS05, GHS09, Dgr, T,N, H:331-311-314.1B-317-410 | 0 <= x % < 1 |

SECTION 4 : FIRST AID MEASURES

As a general rule, in case of doubt or if symptoms persist, always call a doctor. NEVER induce swallowing by an unconscious person.

4.1. Description of first aid measures

**In the event of splashes or contact with eyes:**
Wash thoroughly with soft, clean water for 15 minutes holding the eyelids open.
If there is any redness, pain or visual impairment, consult an ophthalmologist.

**In the event of splashes or contact with skin:**
Remove contaminated clothing and wash the skin thoroughly with soap and water or a recognised cleaner.
Watch out for any remaining product between skin and clothing, watches, shoes, etc.
In the event of an allergic reaction, seek medical attention.
If the contaminated area is widespread and/or there is damage to the skin, a doctor must be consulted or the patient transferred to hospital.

**In the event of swallowing:**
Do not give the patient anything orally.
In the event of swallowing, if the quantity is small (no more than one mouthful), rinse the mouth with water and consult a doctor.
Seek medical attention immediately, showing the label.

4.2. Most important symptoms and effects, both acute and delayed
No data available.

4.3. Indication of any immediate medical attention and special treatment needed
No data available.

SECTION 5 : FIREFIGHTING MEASURES

Non-flammable.

5.1. Extinguishing media

5.2. Special hazards arising from the substance or mixture
A fire will often produce a thick black smoke. Exposure to decomposition products may be hazardous to health.
Do not breathe in smoke.
In the event of a fire, the following may be formed:
- carbon monoxide (CO)
- carbon dioxide (CO2)

5.3. Advice for firefighters
No data available.

SECTION 6 : ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures
Consult the safety measures listed under headings 7 and 8.

For non fire-fighters
Avoid any contact with the skin and eyes.

For fire-fighters
Fire-fighters will be equipped with suitable personal protective equipment (See section 8).

6.2. Environmental precautions
Contain and control the leaks or spills with non-combustible absorbent materials such as sand, earth, vermiculite, diatomaceous earth in drums for waste disposal.
Prevent any material from entering drains or waterways.

6.3. Methods and material for containment and cleaning up
Clean preferably with a detergent, do not use solvents.

6.4. Reference to other sections
No data available.

SECTION 7 : HANDLING AND STORAGE
Requirements relating to storage premises apply to all facilities where the mixture is handled.
Industries with a history of skin sensitisation should not, under any circumstance, handle this mixture.

7.1. Precautions for safe handling
Always wash hands after handling.
Remove and wash contaminated clothing before re-using.

Fire prevention:
Prevent access by unauthorised personnel.

Recommended equipment and procedures:
For personal protection, see section 8.
Observe precautions stated on label and also industrial safety regulations.
Avoid skin and eye contact with this mixture.

Prohibited equipment and procedures:
No smoking, eating or drinking in areas where the mixture is used.

7.2. Conditions for safe storage, including any incompatibilities
No data available.

Storage
Keep out of reach of children.

Packaging
Always keep in packaging made of an identical material to the original.

7.3. Specific end use(s)
No data available.
SECTION 8 : EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

Occupational exposure limits :

  CAS  VME-mg/m3  :  VME-ppm  :  VLE-mg/m3  :  VLE-ppm  :  Notes :
  112-34-5  :  67.5  :  10  :  101.2  :  15  :

- Germany - AGW (BAuA - TRGS 900, 21/06/2010) :
  CAS  VME  :  Excess  :  Notes
  112-34-5  :  100 mg/m3  :  1(I)  :
  DFG, Y

- France (INRS - ED984 :2008) :
  CAS  VME-ppm  :  VME-mg/m3  :  VLE-ppm  :  VLE-mg/m3  :  Notes :
  112-34-5  :  10  :  67.5  :  15  :  101.2  :

8.2. Exposure controls

Personal protection measures, such as personal protective equipment

Pictogram(s) indicating the obligation of wearing personal protective equipment (PPE) :

Use personal protective equipment that is clean and has been properly maintained.
Store personal protective equipment in a clean place, away from the work area.
Never eat, drink or smoke during use. Remove and wash contaminated clothing before re-using. Ensure that there is adequate ventilation, especially in confined areas.

- Eye / face protection
  Avoid contact with eyes.
  Use eye protectors designed to protect against liquid splashes.
  Before handling, wear safety goggles with protective sides accordance with standard EN166.
  In the event of high danger, protect the face with a face shield.
  Prescription glasses are not considered as protection.
  Individuals wearing contact lenses should wear prescription glasses during work where they may be exposed to irritant vapours.
  Provide eyewash stations in facilities where the product is handled constantly.

- Hand protection
  Use suitable protective gloves that are resistant to chemical agents in accordance with standard EN374.
  Gloves must be selected according to the application and duration of use at the workstation.
  Protective gloves need to be selected according to their suitability for the workstation in question : other chemical products that may be handled, necessary physical protections (cutting, pricking, heat protection), level of dexterity required.
  Type of gloves recommended :
  - Natural latex
  Recommended properties :
  - Impervious gloves in accordance with standard EN374

- Body protection
  Avoid skin contact.
  Wear suitable protective clothing.
  Suitable type of protective clothing :
  In the event of substantial spatter, wear liquid-tight protective clothing against chemical risks (type 3) in accordance with EN14605 to prevent skin contact.
  In the event of a risk of splashing, wear protective clothing against chemical risks (type 6) in accordance with EN13034 to prevent skin contact.
  Work clothing worn by personnel shall be laundered regularly.
After contact with the product, all parts of the body that have been soiled must be washed.

SECTION 9 : PHYSICAL AND CHEMICAL PROPERTIES
9.1. Information on basic physical and chemical properties

<table>
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<td>Vapour pressure</td>
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<td>Water solubility</td>
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<tr>
<td>Decomposition point/decomposition range</td>
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9.2. Other information
No data available.

SECTION 10 : STABILITY AND REACTIVITY
10.1. Reactivity
No data available.

10.2. Chemical stability
This mixture is stable under the recommended handling and storage conditions in section 7.

10.3. Possibility of hazardous reactions
No data available.

10.4. Conditions to avoid
No data available.

10.5. Incompatible materials
No data available.

10.6. Hazardous decomposition products
The thermal decomposition may release/form:
- carbon monoxide (CO)
- carbon dioxide (CO2)

SECTION 11 : TOXICOLOGICAL INFORMATION
11.1. Information on toxicological effects
May have reversible effects on the eyes, such as eye irritation which is totally reversible by the end of observation at 21 days. May cause an allergic reaction by skin contact.

11.1.1. Substances
No toxicological data available for the substances.

11.1.2. Mixture
No toxicological data available for the mixture.
SECTION 12 : ECOLOGICAL INFORMATION
Toxic to aquatic life with long lasting effects.
The product must not be allowed to run into drains or waterways.

12.1. Toxicity
12.1.1. Substances
No aquatic toxicity data available for the substances.

12.1.2. Mixtures
No aquatic toxicity data available for the mixture.

12.2. Persistence and degradability
No data available.

12.3. Bioaccumulative potential
No data available.

12.4. Mobility in soil
No data available.

12.5. Results of PBT and vPvB assessment
No data available.

12.6. Other adverse effects
No data available.

SECTION 13 : DISPOSAL CONSIDERATIONS
Proper waste management of the mixture and/or its container must be determined in accordance with Directive 2008/98/EC.

13.1. Waste treatment methods
Do not pour into drains or waterways.

Waste :
Waste management is carried out without endangering human health, without harming the environment and, in particular without risk to water, air, soil, plants or animals.
Recycle or dispose of waste in compliance with current legislation, preferably via a certified collector or company.
Do not contaminate the ground or water with waste, do not dispose of waste into the environment.

Soiled packaging :
Empty container completely. Keep label(s) on container.
Give to a certified disposal contractor.

SECTION 14 : TRANSPORT INFORMATION

14.1. UN number
3082

14.2. UN proper shipping name
UN3082 = ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.
mixture of: 5-chloro-2-methyl-4-isothiazolin-3-one [ec no. 247-500-7] and 2-methyl-2hithiazol-3-one [ec no. 220-239-6] (3:1)
14.3. Transport hazard class(es)
  - Classification:

![Hazard Class 9]

9

14.4. Packing group
  III

14.5. Environmental hazards
  - Environmentally hazardous material:

![Environmental Hazard]

14.6. Special precautions for user

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<th>Provis.</th>
<th>EQ</th>
<th>Cat.</th>
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<table>
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<table>
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<th>Cargo</th>
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<td>964</td>
<td>450 L</td>
<td>A97 A158</td>
<td>E1</td>
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</table>

14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code
  No data available.

SECTION 15 : REGULATORY INFORMATION

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture
  Usage restrictions apply to the product; see annex XVII of EC regulation No. 1907/2006.
  Banned from sale to the general public (EC Regulation No. 1907/2006) - For professional users only.
  For professional users only.
  - Particular provisions:
    No data available.
  - Standardised American system for the identification of hazards presented by the product in view of emergency procedures (NFPA 704):
    NFPA 704, Labelling: Health=2 Inflammability=1 Instability/Reactivity=1 Specific Risk=none
15.2. Chemical safety assessment
No data available.

SECTION 16 : OTHER INFORMATION
Since the user's working conditions are not known by us, the information supplied on this safety data sheet is based on our current level of knowledge and on national and community regulations.
The mixture must not be used for other uses than those specified in section 1 without having first obtained written handling instructions.
It is at all times the responsibility of the user to take all necessary measures to comply with legal requirements and local regulations.
The information in this safety data sheet must be regarded as a description of the safety requirements relating to the mixture and not as a guarantee of the properties thereof.

Title for H, EUH and R indications mentioned in section 3 :
H301 Toxic if swallowed.
H311 Toxic in contact with skin.
H314 Causes severe skin burns and eye damage.
H317 May cause an allergic skin reaction.
H319 Causes serious eye irritation.
H331 Toxic if inhaled.
H410 Very toxic to aquatic life with long lasting effects.
R 23/24/25 Toxic by inhalation, in contact with skin and if swallowed.
R 34 Causes burns.
R 36 Irritating to eyes.
R 43 May cause sensitisation by skin contact.
R 50/53 Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Abbreviations :
ADR : European agreement concerning the international carriage of dangerous goods by Road.
IMDG : International Maritime Dangerous Goods.
IATA : International Air Transport Association.
ICAO : International Civil Aviation Organisation
RID : Regulations concerning the International carriage of Dangerous goods by rail.
GHS07 : Exclamation mark
GHS09 : Environment
SAFETY DATA SHEET
(REACH regulation (EC) n° 1907/2006 - n° 453/2010)

SECTION 1 : IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1. Product identifier
Product name : TINFIX DESIGN JONQUILLE
Product code : N143003.006.

1.2. Relevant identified uses of the substance or mixture and uses advised against

1.3. Details of the supplier of the safety data sheet
Registered company name : Max Sauer SAS.
Address : 2 rue Lamarck 22000 Saint Brieuc France.
Telephone : 0033(0)296682000.     Fax : 0033(0)296770065.
mail@raphael.fr

1.4. Emergency telephone number : +33 (0)1 45 42 59 59.

SECTION 2 : HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture
In compliance with EC regulation No. 1272/2008 and its amendments.
Skin sensitisation, Category 1 (Skin Sens. 1, H317).
Hazardous to the aquatic environment - Chronic hazard, Category 2 (Aquatic Chronic 2, H411).
This mixture does not present a physical hazard. Refer to the recommendations regarding the other products present on the site.

Skin sensitisation (Xi, R 43).
Aquatic environmental hazard, chronic toxicity: toxic (N, R 51/53).
This mixture does not present a physical hazard. Refer to the recommendations regarding the other products present on the site.

2.2. Label elements
In compliance with EC regulation No. 1272/2008 and its amendments.

Hazard pictograms :

GHS09 GHS07
Signal Word :
WARNING
Product identifiers :
Additional labeling :
For professional use only.

Hazard statements :
H317 May cause an allergic skin reaction.
H411 Toxic to aquatic life with long lasting effects.
Precautionary statements - General :
P101 If medical advice is needed, have product container or label at hand.
P102 Keep out of reach of children.

Hazard symbols:
- Irritant
- Dangerous for the environment

Contains:
- 613-167-00-5 MIXTURE OF: 5-CHLORO-2-METHYL-4-ISOTHIAZOLIN-3-ONE [EC NO. 247-500-7] AND
  2-METHYL-2HISOTHIAZOL-3-ONE [EC NO. 220-239-6] (3:1)
- EC 276-127-2 2,5-DICHLORO-4-[4-[[5-[[((DODECYCLOXY)CARBONYL]AMINO]-2-SULFONATOPHENYL]AZOL ]-4,5-DIHYDRO-3-METHYL-5-OXO-1H-PYRAZOLE-1-YL]BENZENSULFONATE DE DISODIUM

Risk phrase:
- R 51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
- R 43 May cause sensitisation by skin contact.

Safety phrase:
- S 2 Keep out of the reach of children.
- S 24 Avoid contact with skin.
- S 29 Do not empty into drains.
- S 37 Wear suitable gloves.
- S 46 If swallowed, seek medical advice immediately and show this container or label.
- S 13 Keep away from food, drink and animal feedingstuffs.


2.3. Other hazards
No data available.

SECTION 3 : COMPOSITION/INFORMATION ON INGREDIENTS

3.1. Substances
No substances fulfil the criteria set forth in annexe II section A of the REACH regulation (EC) n° 1907/2006.

3.2. Mixtures

<table>
<thead>
<tr>
<th>Composition:</th>
<th>Identification</th>
<th>Name</th>
<th>Classification</th>
<th>%</th>
</tr>
</thead>
</table>

- Made under licence of European Label System® MSDS software from InfoDyne - http://www.infodyne.fr -
## SECTION 4: FIRST AID MEASURES

As a general rule, in case of doubt or if symptoms persist, always call a doctor.

**NEVER induce swallowing by an unconscious person.**

### 4.1. Description of first aid measures

**In the event of splashes or contact with skin:**
- Remove contaminated clothing and wash the skin thoroughly with soap and water or a recognised cleaner.
- Watch out for any remaining product between skin and clothing, watches, shoes, etc.
- In the event of an allergic reaction, seek medical attention.
- If the contaminated area is widespread and/or there is damage to the skin, a doctor must be consulted or the patient transferred to hospital.

**In the event of swallowing:**
- Do not give the patient anything orally.
- In the event of swallowing, if the quantity is small (no more than one mouthful), rinse the mouth with water and consult a doctor.
- Seek medical attention immediately, showing the label.

### 4.2. Most important symptoms and effects, both acute and delayed

No data available.

### 4.3. Indication of any immediate medical attention and special treatment needed

No data available.

## SECTION 5: FIREFIGHTING MEASURES

**Non-flammable/**

### 5.1. Extinguishing media

**5.2. Special hazards arising from the substance or mixture**

A fire will often produce a thick black smoke. Exposure to decomposition products may be hazardous to health.

- Do not breathe in smoke.

In the event of a fire, the following may be formed:
- carbon monoxide (CO)
- carbon dioxide (CO2)

### 5.3. Advice for firefighters

No data available.
SECTION 6 : ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures
Consult the safety measures listed under headings 7 and 8.

For non fire-fighters
Avoid any contact with the skin and eyes.

For fire-fighters
Fire-fighters will be equipped with suitable personal protective equipment (See section 8).

6.2. Environmental precautions
Contain and control the leaks or spills with non-combustible absorbent materials such as sand, earth, vermiculite, diatomaceous earth in drums for waste disposal.
Prevent any material from entering drains or waterways.

6.3. Methods and material for containment and cleaning up
Clean preferably with a detergent, do not use solvents.

6.4. Reference to other sections
No data available.

SECTION 7 : HANDLING AND STORAGE
Requirements relating to storage premises apply to all facilities where the mixture is handled.
Individuals with a history of skin sensitisation should not, under any circumstance, handle this mixture.

7.1. Precautions for safe handling
Always wash hands after handling.
Remove and wash contaminated clothing before re-using.

Fire prevention :
Prevent access by unauthorised personnel.

Recommended equipment and procedures :
For personal protection, see section 8.
Observe precautions stated on label and also industrial safety regulations.

Prohibited equipment and procedures :
No smoking, eating or drinking in areas where the mixture is used.

7.2. Conditions for safe storage, including any incompatibilities
No data available.

Storage
Keep out of reach of children.

Packaging
Always keep in packaging made of an identical material to the original.

7.3. Specific end use(s)
No data available.

SECTION 8 : EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters
Occupational exposure limits :
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<td>101.2</td>
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- Germany - AGW (BAuA - TRGS 900, 21/06/2010) :
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</table>
8.2. Exposure controls

Personal protection measures, such as personal protective equipment

Pictogram(s) indicating the obligation of wearing personal protective equipment (PPE):

- Use personal protective equipment that is clean and has been properly maintained.
- Store personal protective equipment in a clean place, away from the work area.
- Never eat, drink or smoke during use. Remove and wash contaminated clothing before re-using. Ensure that there is adequate ventilation, especially in confined areas.

- Eye / face protection
  - Avoid contact with eyes.
  - Use eye protectors designed to protect against liquid splashes.
  - Before handling, wear safety goggles in accordance with standard EN166.

- Hand protection
  - Use suitable protective gloves that are resistant to chemical agents in accordance with standard EN374.
  - Gloves must be selected according to the application and duration of use at the workstation.
  - Protective gloves need to be selected according to their suitability for the workstation in question: other chemical products that may be handled, necessary physical protections (cutting, pricking, heat protection), level of dexterity required.
  - Type of gloves recommended:
    - Natural latex
    - Impervious gloves in accordance with standard EN374

- Body protection
  - Avoid skin contact.
  - Wear suitable protective clothing.
  - Suitable type of protective clothing:
    - In the event of substantial spatter, wear liquid-tight protective clothing against chemical risks (type 3) in accordance with EN14605 to prevent skin contact.
    - In the event of a risk of splashing, wear protective clothing against chemical risks (type 6) in accordance with EN13034 to prevent skin contact.
  - Work clothing worn by personnel shall be laundered regularly.
  - After contact with the product, all parts of the body that have been soiled must be washed.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

- Physical information:
  - Physical state: Viscous liquid.

- Important health, safety and environmental information:
  - pH: Not stated.
  - Slightly basic.
  - Boiling point/boiling range: Not specified.
  - Flash point interval: Not relevant.
  - Vapour pressure: Not relevant.
  - Density: >1
  - Water solubility: Dilutable.
Melting point/melting range : not specified.
Self-ignition temperature : not specified.
Decomposition point/decomposition range : not specified.

9.2. Other information
No data available.

SECTION 10 : STABILITY AND REACTIVITY

10.1. Reactivity
No data available.

10.2. Chemical stability
This mixture is stable under the recommended handling and storage conditions in section 7.

10.3. Possibility of hazardous reactions
No data available.

10.4. Conditions to avoid

10.5. Incompatible materials

10.6. Hazardous decomposition products
The thermal decomposition may release/form :
- carbon monoxide (CO)
- carbon dioxide (CO2)

SECTION 11 : TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects
May cause an allergic reaction by skin contact.

11.1.1. Substances
No toxicological data available for the substances.

11.1.2. Mixture
No toxicological data available for the mixture.

Monograph(s) from the IARC (International Agency for Research on Cancer) :
CAS 64-17-5 : IARC Group 1 : The agent is carcinogenic to humans.

SECTION 12 : ECOLOGICAL INFORMATION

Toxic to aquatic life with long lasting effects.
The product must not be allowed to run into drains or waterways.

12.1. Toxicity

12.1.1. Substances
No aquatic toxicity data available for the substances.

12.1.2. Mixtures
No aquatic toxicity data available for the mixture.

12.2. Persistence and degradability
No data available.

12.3. Bioaccumulative potential
No data available.

12.4. Mobility in soil
No data available.

12.5. Results of PBT and vPvB assessment
No data available.
12.6. Other adverse effects
No data available.

SECTION 13 : DISPOSAL CONSIDERATIONS
Proper waste management of the mixture and/or its container must be determined in accordance with Directive 2008/98/EC.

13.1. Waste treatment methods
Do not pour into drains or waterways.

Waste :
Waste management is carried out without endangering human health, without harming the environment and, in particular without risk to water, air, soil, plants or animals.
Recycle or dispose of waste in compliance with current legislation, preferably via a certified collector or company.
Do not contaminate the ground or water with waste, do not dispose of waste into the environment.

Soiled packaging :
Empty container completely. Keep label(s) on container.
Give to a certified disposal contractor.

SECTION 14 : TRANSPORT INFORMATION

14.1. UN number
3082

14.2. UN proper shipping name
UN3082=ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.
(mixture of: 5-chloro-2-methyl-4-isothiazolin-3-one [ec no. 247-500-7] and 2-methyl-2hisoriazol-3-one [ec no. 220-239-6] (3:1))

14.3. Transport hazard class(es)
- Classification :

\[9\]

14.4. Packing group
III

14.5. Environmental hazards
- Environmentally hazardous material :

14.6. Special precautions for user

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<td>450 L</td>
<td>964</td>
<td>450 L</td>
<td>A97</td>
<td>E1</td>
</tr>
</tbody>
</table>

|         |       |         |          |          |          |       |       |      |    |
14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

No data available.

SECTION 15 : REGULATORY INFORMATION

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

Banned from sale to the general public (EC Regulation No. 1907/2006) - For professional users only.
For professional users only.
- Particular provisions:
  No data available.
- Standardised American system for the identification of hazards presented by the product in view of emergency procedures (NFPA 704):
  NFPA 704, Labelling: Health=2 Inflammability=1 Instability/Reactivity=1 Specific Risknone

15.2. Chemical safety assessment

No data available.

SECTION 16 : OTHER INFORMATION

Since the user’s working conditions are not known by us, the information supplied on this safety data sheet is based on our current level of knowledge and on national and community regulations.

The mixture must not be used for other uses than those specified in section 1 without having first obtained written handling instructions.

It is at all times the responsibility of the user to take all necessary measures to comply with legal requirements and local regulations.

The information in this safety data sheet must be regarded as a description of the safety requirements relating to the mixture and not as a guarantee of the properties thereof.

Title for H, EUH and R indications mentioned in section 3:

H301 Toxic if swallowed.
H311 Toxic in contact with skin.
H314 Causes severe skin burns and eye damage.
H317 May cause an allergic skin reaction.
H319 Causes serious eye irritation.
H331 Toxic if inhaled.
H410 Very toxic to aquatic life with long lasting effects.
R 23/24/25 Toxic by inhalation, in contact with skin and if swallowed.
R 34 Causes burns.
R 36 Irritating to eyes.
R 43 May cause sensitisation by skin contact.
R 50/53 Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Abbreviations:

ADR : European agreement concerning the international carriage of dangerous goods by Road.
IMDG : International Maritime Dangerous Goods.
IATA : International Air Transport Association.
ICAO : International Civil Aviation Organisation
RID : Regulations concerning the International carriage of Dangerous goods by rail.
GHS07 : Exclamation mark
GHS09 : Environment
SAFETY DATA SHEET
(REACH regulation (EC) n° 1907/2006 - n° 453/2010)

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1. Product identifier
Product name: TINFIX DESIGN ALADIN
Product code: N143006.007.

1.2. Relevant identified uses of the substance or mixture and uses advised against

1.3. Details of the supplier of the safety data sheet
Registered company name: Max Sauer SAS.
Address: 2 rue Lamarck.22000.Saint Brieuc.France.
Telephone: 0033(0)296682000. Fax: 0033(0)296770065.
mail@raphael.fr

1.4. Emergency telephone number: +33 (0)1 45 42 59 59.

SECTION 2: HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture
In compliance with EC regulation No. 1272/2008 and its amendments.
Skin sensitisation, Category 1 (Skin Sens. 1, H317).
Hazardous to the aquatic environment - Chronic hazard, Category 2 (Aquatic Chronic 2, H411).
This mixture does not present a physical hazard. Refer to the recommendations regarding the other products present on the site.

Skin sensitisation (Xi, R 43).
Aquatic environmental hazard, chronic toxicity: toxic (N, R 51/53).
This mixture does not present a physical hazard. Refer to the recommendations regarding the other products present on the site.

2.2. Label elements
In compliance with EC regulation No. 1272/2008 and its amendments.
Hazard pictograms:

GHS09 GHS07
Signal Word:
WARNING
Product identifiers:
Additional labeling:
For professional use only.
H317 May cause an allergic skin reaction.
H411 Toxic to aquatic life with long lasting effects.
Precautionary statements - General:
P101 If medical advice is needed, have product container or label at hand.
P102 Keep out of reach of children.
Precautionary statements - Prevention:
- P261: Avoid breathing dust/fume/gas/mist/vapours/spray.
- P272: Contaminated work clothing should not be allowed out of the workplace.
- P273: Avoid release to the environment.
- P280: Wear protective gloves/protective clothing/eye protection/face protection.

Precautionary statements - Response:
- P302+P352: IF ON SKIN: Wash with plenty of soap and water.
- P321: Specific treatment (see ... on this label).
- P333+P313: If skin irritation or rash occurs: Get medical advice/attention.
- P363: Wash contaminated clothing before reuse.

Precautionary statements - Disposal:
- P501: Dispose of contents/container to ...


Hazard symbols:
- Irritant
- Dangerous for the environment

Contains:

Risk phrase:
- R 51/53: Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
- R 43: May cause sensitisation by skin contact.

Safety phrase:
- S 2: Keep out of the reach of children.
- S 24: Avoid contact with skin.
- S 29: Do not empty into drains.
- S 37: Wear suitable gloves.
- S 46: If swallowed, seek medical advice immediately and show this container or label.
- S 13: Keep away from food, drink and animal feedingstuffs.


SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1. Substances
No substances fulfil the criteria set forth in annexe II section A of the REACH regulation (EC) n° 1907/2006.

3.2. Mixtures

Composition:

<table>
<thead>
<tr>
<th>Identification</th>
<th>Name</th>
<th>Classification</th>
<th>%</th>
</tr>
</thead>
</table>
**SECTION 4 : FIRST AID MEASURES**

As a general rule, in case of doubt or if symptoms persist, always call a doctor.

NEVER induce swallowing by an unconscious person.

4.1. Description of first aid measures

In the event of splashes or contact with skin:

Remove contaminated clothing and wash the skin thoroughly with soap and water or a recognised cleaner.

Watch out for any remaining product between skin and clothing, watches, shoes, etc.

In the event of an allergic reaction, seek medical attention.

If the contaminated area is widespread and/or there is damage to the skin, a doctor must be consulted or the patient transferred to hospital.

In the event of swallowing:

Do not give the patient anything orally.

In the event of swallowing, if the quantity is small (no more than one mouthful), rinse the mouth with water and consult a doctor.

Seek medical attention immediately, showing the label.

4.2. Most important symptoms and effects, both acute and delayed

No data available.

4.3. Indication of any immediate medical attention and special treatment needed

No data available.

**SECTION 5 : FIREFIGHTING MEASURES**

Non-flammable.

5.1. Extinguishing media

5.2. Special hazards arising from the substance or mixture

A fire will often produce a thick black smoke. Exposure to decomposition products may be hazardous to health.

Do not breathe in smoke.

In the event of a fire, the following may be formed:

- carbon monoxide (CO)
- carbon dioxide (CO2)

5.3. Advice for firefighters

No data available.
 SECTION 6 : ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures
Consult the safety measures listed under headings 7 and 8.

For non fire-fighters
Avoid any contact with the skin and eyes.

For fire-fighters
Fire-fighters will be equipped with suitable personal protective equipment (See section 8).

6.2. Environmental precautions
Contain and control the leaks or spills with non-combustible absorbent materials such as sand, earth, vermiculite, diatomaceous earth in drums for waste disposal.
Prevent any material from entering drains or waterways.

6.3. Methods and material for containment and cleaning up
Clean preferably with a detergent, do not use solvents.

6.4. Reference to other sections
No data available.

 SECTION 7 : HANDLING AND STORAGE
Requirements relating to storage premises apply to all facilities where the mixture is handled.
Individuals with a history of skin sensitisation should not, under any circumstance, handle this mixture.

7.1. Precautions for safe handling
Always wash hands after handling.
Remove and wash contaminated clothing before re-using.

Fire prevention :
Prevent access by unauthorised personnel.

Recommended equipment and procedures :
For personal protection, see section 8.
Observe precautions stated on label and also industrial safety regulations.

Prohibited equipment and procedures :
No smoking, eating or drinking in areas where the mixture is used.

7.2. Conditions for safe storage, including any incompatibilities
No data available.

Storage
Keep out of reach of children.

Packaging
Always keep in packaging made of an identical material to the original.

7.3. Specific end use(s)
No data available.

 SECTION 8 : EXPOSURE CONTROLS/PERSOlnAL PROTECTION

8.1. Control parameters
Occupational exposure limits :
  CAS VME-mg/m3 : VME-ppm : VLE-mg/m3 : VLE-ppm : Notes :
  112-34-5 67.5 10 101.2 15 -
- Germany - AGW (BAuA - TRGS 900, 21/06/2010) :
  CAS VME : VME : Excess Notes
  112-34-5 - 100 mg/m3 1(I) DFG, Y
8.2. Exposure controls

**Personal protection measures, such as personal protective equipment**

Pictogram(s) indicating the obligation of wearing personal protective equipment (PPE):

Use personal protective equipment that is clean and has been properly maintained.

Store personal protective equipment in a clean place, away from the work area.

Never eat, drink or smoke during use. Remove and wash contaminated clothing before re-using. Ensure that there is adequate ventilation, especially in confined areas.

- **Eye / face protection**
  
  Avoid contact with eyes.
  
  Use eye protectors designed to protect against liquid splashes
  
  Before handling, wear safety goggles in accordance with standard EN166.

- **Hand protection**
  
  Use suitable protective gloves that are resistant to chemical agents in accordance with standard EN374.
  
  Gloves must be selected according to the application and duration of use at the workstation.
  
  Protective gloves need to be selected according to their suitability for the workstation in question: other chemical products that may be handled, necessary physical protections (cutting, pricking, heat protection), level of dexterity required.
  
  Type of gloves recommended:
  
  - Natural latex
  
  Recommended properties:
  
  - Impervious gloves in accordance with standard EN374

- **Body protection**
  
  Avoid skin contact.
  
  Wear suitable protective clothing.
  
  Suitable type of protective clothing:
  
  In the event of substantial spatter, wear liquid-tight protective clothing against chemical risks (type 3) in accordance with EN14605 to prevent skin contact.
  
  In the event of a risk of splashing, wear protective clothing against chemical risks (type 6) in accordance with EN13034 to prevent skin contact.
  
  Work clothing worn by personnel shall be laundered regularly.
  
  After contact with the product, all parts of the body that have been soiled must be washed.

---

**SECTION 9 : PHYSICAL AND CHEMICAL PROPERTIES**

**9.1. Information on basic physical and chemical properties**

**General information:**

| Physical state | viscous liquid |

**Important health, safety and environmental information**

<table>
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| Boiling point/boiling range | not specified. |
| Flash point interval        | not relevant.  |
| Vapour pressure             | not relevant.  |
| Density                     | > 1           |
| Water solubility            | Dilutable.    |
Melting point/melting range: not specified.
Self-ignition temperature: not specified.
Decomposition point/decomposition range: not specified.

9.2. Other information
No data available.

SECTION 10: STABILITY AND REACTIVITY

10.1. Reactivity
No data available.

10.2. Chemical stability
This mixture is stable under the recommended handling and storage conditions in section 7.

10.3. Possibility of hazardous reactions
No data available.

10.4. Conditions to avoid

10.5. Incompatible materials

10.6. Hazardous decomposition products
The thermal decomposition may release/form:
- carbon monoxide (CO)
- carbon dioxide (CO2)

SECTION 11: TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects
May cause an allergic reaction by skin contact.

11.1.1. Substances
No toxicological data available for the substances.

11.1.2. Mixture
No toxicological data available for the mixture.

Monograph(s) from the IARC (International Agency for Research on Cancer):
CAS 64-17-5: IARC Group 1: The agent is carcinogenic to humans.

SECTION 12: ECOLOGICAL INFORMATION

12.1. Toxicity

12.1.1. Substances
No aquatic toxicity data available for the substances.

12.1.2. Mixtures
No aquatic toxicity data available for the mixture.

12.2. Persistence and degradability
No data available.

12.3. Bioaccumulative potential
No data available.

12.4. Mobility in soil
No data available.

12.5. Results of PBT and vPvB assessment
No data available.
12.6. Other adverse effects
No data available.

SECTION 13 : DISPOSAL CONSIDERATIONS
Proper waste management of the mixture and/or its container must be determined in accordance with Directive 2008/98/EC.

13.1. Waste treatment methods
Do not pour into drains or waterways.

Waste:
Waste management is carried out without endangering human health, without harming the environment and, in particular without risk to water, air, soil, plants or animals.
Recycle or dispose of waste in compliance with current legislation, preferably via a certified collector or company.
Do not contaminate the ground or water with waste, do not dispose of waste into the environment.

Soiled packaging:
Empty container completely. Keep label(s) on container.
Give to a certified disposal contractor.

SECTION 14 : TRANSPORT INFORMATION

14.1. UN number
3082

14.2. UN proper shipping name
UN3082=ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.
(mixture of: 5-chloro-2-methyl-4-isothiazolin-3-one [ec no. 247-500-7] and 2-methyl-2-hisothiazol-3-one [ec no. 220-239-6] (3:1))

14.3. Transport hazard class(es)
- Classification:

14.4. Packing group
III

14.5. Environmental hazards
- Environmentally hazardous material:

14.6. Special precautions for user

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<th>Class</th>
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<th>Pack gr.</th>
<th>Label</th>
<th>Ident.</th>
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- Made under licence of European Label System® MSDS software from InfoDyne - http://www.infodyne.fr -
14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

No data available.

**SECTION 15 : REGULATORY INFORMATION**

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture


Banned from sale to the general public (EC Regulation No. 1907/2006) - For professional users only.

For professional users only.

- Particular provisions :

No data available.

- Standardised American system for the identification of hazards presented by the product in view of emergency procedures (NFPA 704) :

NFPA 704, Labelling: Health=2 Inflammability=1 Instability/Reactivity=1 Specific Risk=none

15.2. Chemical safety assessment

No data available.

**SECTION 16 : OTHER INFORMATION**

Since the user's working conditions are not known by us, the information supplied on this safety data sheet is based on our current level of knowledge and on national and community regulations.

The mixture must not be used for other uses than those specified in section 1 without having first obtained written handling instructions.

It is at all times the responsibility of the user to take all necessary measures to comply with legal requirements and local regulations.

The information in this safety data sheet must be regarded as a description of the safety requirements relating to the mixture and not as a guarantee of the properties thereof.

**Title for H, EUH and R indications mentioned in section 3**:

- **H301** Toxic if swallowed.
- **H311** Toxic in contact with skin.
- **H314** Causes severe skin burns and eye damage.
- **H317** May cause an allergic skin reaction.
- **H319** Causes serious eye irritation.
- **H331** Toxic if inhaled.
- **H410** Very toxic to aquatic life with long lasting effects.
- **R23/24/25** Toxic by inhalation, in contact with skin and if swallowed.
- **R36** Causes burns.
- **R37** Irritating to eyes.
- **R43** May cause sensitisation by skin contact.
- **R50/53** Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

**Abbreviations**:

- **ADR** : European agreement concerning the international carriage of dangerous goods by Road.
- **IMDG** : International Maritime Dangerous Goods.
- **IATA** : International Air Transport Association.
ICAO : International Civil Aviation Organisation
RID : Regulations concerning the International carriage of Dangerous goods by rail.
GHS07 : Exclamation mark
GHS09 : Environment
SAFETY DATA SHEET
(REACH regulation (EC) n° 1907/2006 - n° 453/2010)

SECTION 1 : IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1. Product identifier
   Product name : TINFIX DESIGN SOLEIL
   Product code : N143006.008.

1.2. Relevant identified uses of the substance or mixture and uses advised against

1.3. Details of the supplier of the safety data sheet
   Registered company name : Max Sauer SAS.
   Address : 2 rue Lamarck.22000.Saint Brieuc.France.
   Telephone : 0033(0)296682000.  Fax : 0033(0)296770065.
   mail@raphael.fr

1.4. Emergency telephone number : +33 (0)1 45 42 59 59.

SECTION 2 : HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture
   In compliance with EC regulation No. 1272/2008 and its amendments.
   Skin sensitisation, Category 1 (Skin Sens. 1, H317).
   Hazardous to the aquatic environment - Chronic hazard, Category 2 (Aquatic Chronic 2, H411).
   This mixture does not present a physical hazard. Refer to the recommendations regarding the other products present on the site.

   Skin sensitisation (Xi, R 43).
   Aquatic environmental hazard, chronic toxicity: toxic (N, R 51/53).
   This mixture does not present a physical hazard. Refer to the recommendations regarding the other products present on the site.

2.2. Label elements
   In compliance with EC regulation No. 1272/2008 and its amendments.
   Hazard pictograms :

   GHS09 GHS07
   Signal Word :
   WARNING
   Product identifiers :
   Additional labeling :
   For professional use only.
   H317 May cause an allergic skin reaction.
   H411 Toxic to aquatic life with long lasting effects.
   Precautionary statements - General :
   P101 If medical advice is needed, have product container or label at hand.
   P102 Keep out of reach of children.
P103
Precautionary statements - Prevention:
P261 Avoid breathing dust/fume/gas/mist/vapours/spray.
P272 Contaminated work clothing should not be allowed out of the workplace.
P273 Avoid release to the environment.
P280 Wear protective gloves/protective clothing/eye protection/face protection.

Precautionary statements - Response:
P302 + P352 IF ON SKIN: Wash with plenty of soap and water.
P321 Specific treatment (see ... on this label).
P333 + P313 If skin irritation or rash occurs: Get medical advice/attention.
P363 Wash contaminated clothing before reuse.
P391 Collect spillage.

Precautionary statements - Disposal:
P501 Dispose of contents/container to ...


Hazard symbols:

Contains:

Risk phrase:
R 51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R 43 May cause sensitisation by skin contact.

Safety phrase:
S 2 Keep out of the reach of children.
S 24 Avoid contact with skin.
S 29 Do not empty into drains.
S 37 Wear suitable gloves.
S 46 If swallowed, seek medical advice immediately and show this container or label.
S 13 Keep away from food, drink and animal feedingstuffs.


2.3. Other hazards
No data available.

SECTION 3 : COMPOSITION/INFORMATION ON INGREDIENTS

3.1. Substances
No substances fulfil the criteria set forth in annexe II section A of the REACH regulation (EC) n° 1907/2006.

3.2. Mixtures
Composition:

<table>
<thead>
<tr>
<th>Identification</th>
<th>Name</th>
<th>Classification</th>
<th>%</th>
</tr>
</thead>
</table>
SECTION 4 : FIRST AID MEASURES

As a general rule, in case of doubt or if symptoms persist, always call a doctor.
NEVER induce swallowing by an unconscious person.

4.1. Description of first aid measures

In the event of splashes or contact with skin:
Remove contaminated clothing and wash the skin thoroughly with soap and water or a recognised cleaner.
Watch out for any remaining product between skin and clothing, watches, shoes, etc.
In the event of an allergic reaction, seek medical attention.
If the contaminated area is widespread and/or there is damage to the skin, a doctor must be consulted or the patient transferred to hospital.

In the event of swallowing:
Do not give the patient anything orally.
In the event of swallowing, if the quantity is small (no more than one mouthful), rinse the mouth with water and consult a doctor.
Seek medical attention immediately, showing the label.

4.2. Most important symptoms and effects, both acute and delayed
No data available.

4.3. Indication of any immediate medical attention and special treatment needed
No data available.

SECTION 5 : FIREFIGHTING MEASURES

Non-flammable/

5.1. Extinguishing media

5.2. Special hazards arising from the substance or mixture
A fire will often produce a thick black smoke. Exposure to decomposition products may be hazardous to health.
Do not breathe in smoke.
In the event of a fire, the following may be formed:
- carbon monoxide (CO)
- carbon dioxide (CO2)

5.3. Advice for firefighters
No data available.
SECTION 6 : ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures
Consult the safety measures listed under headings 7 and 8.

For non fire-fighters
Avoid any contact with the skin and eyes.

For fire-fighters
Fire-fighters will be equipped with suitable personal protective equipment (See section 8).

6.2. Environmental precautions
Contain and control the leaks or spills with non-combustible absorbent materials such as sand, earth, vermiculite, diatomaceous earth in drums for waste disposal.
Prevent any material from entering drains or waterways.

6.3. Methods and material for containment and cleaning up
Clean preferably with a detergent, do not use solvents.

6.4. Reference to other sections
No data available.

SECTION 7 : HANDLING AND STORAGE
Requirements relating to storage premises apply to all facilities where the mixture is handled.
Individuals with a history of skin sensitisation should not, under any circumstance, handle this mixture.

7.1. Precautions for safe handling
Always wash hands after handling.
Remove and wash contaminated clothing before re-using.

Fire prevention :
Prevent access by unauthorised personnel.

Recommended equipment and procedures :
For personal protection, see section 8.
Observe precautions stated on label and also industrial safety regulations.

Prohibited equipment and procedures :
No smoking, eating or drinking in areas where the mixture is used.

7.2. Conditions for safe storage, including any incompatibilities
No data available.

Storage
Keep out of reach of children.

Packaging
Always keep in packaging made of an identical material to the original.

7.3. Specific end use(s)
No data available.

SECTION 8 : EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters
Occupational exposure limits :

  CAS VME-mg/m3 : VME-ppm : VLE-mg/m3 : VLE-ppm : Notes :
  112-34-5 67.5 10 101.2 15 -

- Germany - AGW (BAuA - TRGS 900, 21/06/2010) :
  CAS VME : VME : Excess Notes
  112-34-5 - 100 mg/m3 1(I) DFG, Y
8.2. Exposure controls

**Personal protection measures, such as personal protective equipment**

Pictogram(s) indicating the obligation of wearing personal protective equipment (PPE):

Use personal protective equipment that is clean and has been properly maintained.

Store personal protective equipment in a clean place, away from the work area.

Never eat, drink or smoke during use. Remove and wash contaminated clothing before re-using. Ensure that there is adequate ventilation, especially in confined areas.

- **Eye / face protection**

Avoid contact with eyes.

Use eye protectors designed to protect against liquid splashes

Before handling, wear safety goggles in accordance with standard EN166.

- **Hand protection**

Use suitable protective gloves that are resistant to chemical agents in accordance with standard EN374.

Gloves must be selected according to the application and duration of use at the workstation.

Protective gloves need to be selected according to their suitability for the workstation in question: other chemical products that may be handled, necessary physical protections (cutting, pricking, heat protection), level of dexterity required.

Type of gloves recommended:

- Natural latex

Recommended properties:

- Impervious gloves in accordance with standard EN374

- **Body protection**

Avoid skin contact.

Wear suitable protective clothing.

Suitable type of protective clothing:

In the event of substantial spatter, wear liquid-tight protective clothing against chemical risks (type 3) in accordance with EN14605 to prevent skin contact.

In the event of a risk of splashing, wear protective clothing against chemical risks (type 6) in accordance with EN13034 to prevent skin contact.

Work clothing worn by personnel shall be laundered regularly.

After contact with the product, all parts of the body that have been soiled must be washed.

**SECTION 9 : PHYSICAL AND CHEMICAL PROPERTIES**

9.1. Information on basic physical and chemical properties

**General information**:

Physical state : viscus liquid.

**Important health, safety and environmental information**

pH : Not stated.

slightly basic.

Boiling point/boiling range : not specified.

Flash point interval : not relevant.

Vapour pressure : not relevant.

Density : > 1

Water solubility : Dilutable.
Melting point/melting range: not specified.
Self-ignition temperature: not specified.
Decomposition point/decomposition range: not specified.

9.2. Other information
No data available.

SECTION 10 : STABILITY AND REACTIVITY

10.1. Reactivity
No data available.

10.2. Chemical stability
This mixture is stable under the recommended handling and storage conditions in section 7.

10.3. Possibility of hazardous reactions
No data available.

10.4. Conditions to avoid

10.5. Incompatible materials

10.6. Hazardous decomposition products
The thermal decomposition may release/form:
- carbon monoxide (CO)
- carbon dioxide (CO2)

SECTION 11 : TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects
May cause an allergic reaction by skin contact.

11.1.1. Substances
No toxicological data available for the substances.

11.1.2. Mixture
No toxicological data available for the mixture.

SECTION 12 : ECOLOGICAL INFORMATION

Toxic to aquatic life with long lasting effects.
The product must not be allowed to run into drains or waterways.

12.1. Toxicity

12.1.1. Substances
No aquatic toxicity data available for the substances.

12.1.2. Mixtures
No aquatic toxicity data available for the mixture.

12.2. Persistence and degradability
No data available.

12.3. Bioaccumulative potential
No data available.

12.4. Mobility in soil
No data available.

12.5. Results of PBT and vPvB assessment
No data available.
12.6. Other adverse effects
No data available.

SECTION 13: DISPOSAL CONSIDERATIONS

Proper waste management of the mixture and/or its container must be determined in accordance with Directive 2008/98/EC.

13.1. Waste treatment methods
Do not pour into drains or waterways.

Waste:
Waste management is carried out without endangering human health, without harming the environment and, in particular without risk to water, air, soil, plants or animals.
Recycle or dispose of waste in compliance with current legislation, preferably via a certified collector or company.
Do not contaminate the ground or water with waste, do not dispose of waste into the environment.

Soiled packaging:
Empty container completely. Keep label(s) on container.
Give to a certified disposal contractor.

SECTION 14: TRANSPORT INFORMATION


14.1. UN number
3082

14.2. UN proper shipping name
UN3082=ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.
(mixture of: 5-chloro-2-methyl-4-isothiazolin-3-one [ec no. 247-500-7] and 2-methyl-2hithiazol-3-one [ec no. 220-239-6] (3:1))

14.3. Transport hazard class(es)
- Classification:

14.4. Packing group
III

14.5. Environmental hazards
- Environmentally hazardous material:

14.6. Special precautions for user
14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

No data available.

SECTION 15 : REGULATORY INFORMATION

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture


- Particular provisions:
  No data available.

- Standardised American system for the identification of hazards presented by the product in view of emergency procedures (NFPA 704):
  NFPA 704, Labelling: Health=2 Inflammability=1 Instability/Reactivity=1 Specific Risk=none

15.2. Chemical safety assessment

No data available.

SECTION 16 : OTHER INFORMATION

Since the user's working conditions are not known to us, the information supplied on this safety data sheet is based on our current level of knowledge and on national and community regulations.

The mixture must not be used for other uses than those specified in section 1 without having first obtained written handling instructions.

It is at all times the responsibility of the user to take all necessary measures to comply with legal requirements and local regulations.

The information in this safety data sheet must be regarded as a description of the safety requirements relating to the mixture and not as a guarantee of the properties thereof.

Title for H, EUH and R indications mentioned in section 3:

| H301 | Toxic if swallowed. |
| H311 | Toxic in contact with skin. |
| H314 | Causes severe skin burns and eye damage. |
| H317 | May cause an allergic skin reaction. |
| H319 | Causes serious eye irritation. |
| H331 | Toxic if inhaled. |
| H410 | Very toxic to aquatic life with long lasting effects. |
| R 23/24/25 | Toxic by inhalation, in contact with skin and if swallowed. |
| R 36 | Causes burns. |
| R 37 | Irritating to eyes. |
| R 43 | May cause sensitisation by skin contact. |
| R 50/53 | Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment. |

Abbreviations:

ADR : European agreement concerning the international carriage of dangerous goods by Road.
IMDG : International Maritime Dangerous Goods.
IATA : International Air Transport Association.
ICAO : International Civil Aviation Organisation
RID : Regulations concerning the International carriage of Dangerous goods by rail.
GHS07 : Exclamation mark
GHS09 : Environment
SAFETY DATA SHEET
(REACH regulation (EC) n° 1907/2006 - n° 453/2010)

SECTION 1 : IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1. Product identifier
   Product name : TINFIX DESIGN CAMBODEG
   Product code : N143006.009.

1.2. Relevant identified uses of the substance or mixture and uses advised against

1.3. Details of the supplier of the safety data sheet
   Registered company name : Max Sauer SAS.
   Address : 2 rue Lamarck.22000.Saint Brieuc.France.
   Telephone : 0033(0)296682000.     Fax : 0033(0)296770065.
   mail@raphael.fr

1.4. Emergency telephone number : +33 (0)1 45 42 59 59.

SECTION 2 : HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture
   In compliance with EC regulation No. 1272/2008 and its amendments.
   This mixture does not present a physical hazard. Refer to the recommendations regarding the other products present on the site.
   This mixture does not present a health hazard.
   This mixture does not present an environmental hazard. No known or foreseeable environmental damage under standard conditions of use.

   This mixture does not present a physical hazard. Refer to the recommendations regarding the other products present on the site.
   This mixture does not present a health hazard.
   This mixture does not present an environmental hazard. No known or foreseeable environmental damage under standard conditions of use.

2.2. Label elements
   In compliance with EC regulation No. 1272/2008 and its amendments.
   No labelling requirements for this mixture.

   No labelling requirements for this mixture.

2.3. Other hazards
   No data available.

SECTION 3 : COMPOSITION/INFORMATION ON INGREDIENTS

3.1. Substances
   No substances fulfil the criteria set forth in annexe II section A of the REACH regulation (EC) n° 1907/2006.

3.2. Mixtures
   No substances fulfil the criteria set forth in annexe II section A of the REACH regulation (EC) n° 1907/2006.
SECTION 4 : FIRST AID MEASURES

As a general rule, in case of doubt or if symptoms persist, always call a doctor.
NEVER induce swallowing by an unconscious person.

4.1. Description of first aid measures

In the event of swallowing :
Seek medical attention, showing the label.

4.2. Most important symptoms and effects, both acute and delayed
No data available.

4.3. Indication of any immediate medical attention and special treatment needed
No data available.

SECTION 5 : FIREFIGHTING MEASURES

Non-flammable.

5.1. Extinguishing media

5.2. Special hazards arising from the substance or mixture
A fire will often produce a thick black smoke. Exposure to decomposition products may be hazardous to health.
Do not breathe in smoke.
In the event of a fire, the following may be formed :
- carbon monoxide (CO)
- carbon dioxide (CO2)

5.3. Advice for firefighters
No data available.

SECTION 6 : ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures
Consult the safety measures listed under headings 7 and 8.

For fire-fighters
Fire-fighters will be equipped with suitable personal protective equipment (See section 8).

6.2. Environmental precautions
Contain and control the leaks or spills with non-combustible absorbent materials such as sand, earth, vermiculite, diatomaceous earth in drums for waste disposal.
Prevent any material from entering drains or waterways.

6.3. Methods and material for containment and cleaning up
Clean preferably with a detergent, do not use solvents.

6.4. Reference to other sections
No data available.

SECTION 7 : HANDLING AND STORAGE

Requirements relating to storage premises apply to all facilities where the mixture is handled.

7.1. Precautions for safe handling
Always wash hands after handling.

Fire prevention :
Prevent access by unauthorised personnel.

Recommended equipment and procedures :
For personal protection, see section 8.
Observe precautions stated on label and also industrial safety regulations.
Prohibited equipment and procedures:
No smoking, eating or drinking in areas where the mixture is used.

7.2. Conditions for safe storage, including any incompatibilities
No data available.

Storage
Keep out of reach of children.

Packaging
Always keep in packaging made of an identical material to the original.

7.3. Specific end use(s)
No data available.

SECTION 8 : EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters
No data available.

8.2. Exposure controls

Personal protection measures, such as personal protective equipment

Pictogram(s) indicating the obligation of wearing personal protective equipment (PPE):

Use personal protective equipment that is clean and has been properly maintained.
Store personal protective equipment in a clean place, away from the work area.
Never eat, drink or smoke during use. Remove and wash contaminated clothing before re-using. Ensure that there is adequate ventilation, especially in confined areas.

- Eye / face protection
Avoid contact with eyes.
Use eye protectors designed to protect against liquid splashes.
Before handling, wear safety goggles in accordance with standard EN166.

- Hand protection
Wear suitable protective gloves in the event of prolonged or repeated skin contact.
Type of gloves recommended:
- Natural latex

- Body protection
Work clothing worn by personnel shall be laundered regularly.
After contact with the product, all parts of the body that have been soiled must be washed.

SECTION 9 : PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

General information:
Physical state: viscous liquid.

Important health, safety and environmental information
pH:\ Not stated.
Boiling point/boiling range: not specified.
Flash point interval: not relevant.
Vapour pressure: not relevant.
Density: > 1
Water solubility: Dilutable.
Melting point/melting range : not specified.
Self-ignition temperature : not specified.
Decomposition point/decomposition range : not specified.

9.2. Other information
No data available.

SECTION 10 : STABILITY AND REACTIVITY

10.1. Reactivity
No data available.

10.2. Chemical stability
This mixture is stable under the recommended handling and storage conditions in section 7.

10.3. Possibility of hazardous reactions
No data available.

10.4. Conditions to avoid

10.5. Incompatible materials

10.6. Hazardous decomposition products
The thermal decomposition may release/form :
- carbon monoxide (CO)
- carbon dioxide (CO2)

SECTION 11 : TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects
No data available.

11.1.1. Substances
No toxicological data available for the substances.

11.1.2. Mixture
No toxicological data available for the mixture.

Monograph(s) from the IARC (International Agency for Research on Cancer) :
CAS 64-17-5 : IARC Group 1 : The agent is carcinogenic to humans.

SECTION 12 : ECOLOGICAL INFORMATION

12.1. Toxicity

12.1.1. Substances
No aquatic toxicity data available for the substances.

12.1.2. Mixtures
No aquatic toxicity data available for the mixture.

12.2. Persistence and degradability
No data available.

12.3. Bioaccumulative potential
No data available.

12.4. Mobility in soil
No data available.

12.5. Results of PBT and vPvB assessment
No data available.
12.6. Other adverse effects

No data available.

SECTION 13 : DISPOSAL CONSIDERATIONS

Proper waste management of the mixture and/or its container must be determined in accordance with Directive 2008/98/EC.

13.1. Waste treatment methods

Do not pour into drains or waterways.

Waste:

Waste management is carried out without endangering human health, without harming the environment and, in particular without risk to water, air, soil, plants or animals.

Recycle or dispose of waste in compliance with current legislation, preferably via a certified collector or company.

Do not contaminate the ground or water with waste, do not dispose of waste into the environment.

Soiled packaging:

Empty container completely. Keep label(s) on container.

Give to a certified disposal contractor.

SECTION 14 : TRANSPORT INFORMATION

Exempt from transport classification and labelling.


SECTION 15 : REGULATORY INFORMATION

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

- Particular provisions:

No data available.

- Standardised American system for the identification of hazards presented by the product in view of emergency procedures (NFPA 704):

NFPA 704, Labelling: Health=0 Inflammability=1 Instability/Reactivity=1 Specific Risk=none

15.2. Chemical safety assessment

No data available.

SECTION 16 : OTHER INFORMATION

Since the users' working conditions are not known by us, the information supplied on this safety data sheet is based on our current level of knowledge and on national and community regulations.

The mixture must not be used for other uses than those specified in section 1 without having first obtained written handling instructions.

It is at all times the responsibility of the user to take all necessary measures to comply with legal requirements and local regulations.

The information in this safety data sheet must be regarded as a description of the safety requirements relating to the mixture and not as a guarantee of the properties thereof.

Abbreviations:

ADR : European agreement concerning the international carriage of dangerous goods by Road.

IMDG : International Maritime Dangerous Goods.

IATA : International Air Transport Association.
ICAO : International Civil Aviation Organisation

RID : Regulations concerning the International carriage of Dangerous goods by rail.
SAFETY DATA SHEET
(ReACH regulation (EC) n° 1907/2006 - n° 453/2010)

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1. Product identifier
   Product name: TINFIX DESIGN SAFRAN
   Product code: N143006.010.

1.2. Relevant identified uses of the substance or mixture and uses advised against

1.3. Details of the supplier of the safety data sheet
   Registered company name: Max Sauer SAS.
   Address: 2 rue Lamarck. 22000. Saint Brieuc. France.
   Telephone: 0033(0)296682000. Fax: 0033(0)296770065.
   mail@raphael.fr

1.4. Emergency telephone number: +33 (0)1 45 42 59 59.

SECTION 2: HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture
   In compliance with EC regulation No. 1272/2008 and its amendments.
   This mixture does not present a physical hazard. Refer to the recommendations regarding the other products present on the site.
   This mixture does not present a health hazard.
   This mixture does not present an environmental hazard. No known or foreseeable environmental damage under standard conditions of use.

   This mixture does not present a physical hazard. Refer to the recommendations regarding the other products present on the site.
   This mixture does not present a health hazard.
   This mixture does not present an environmental hazard. No known or foreseeable environmental damage under standard conditions of use.

2.2. Label elements
   In compliance with EC regulation No. 1272/2008 and its amendments.
   No labelling requirements for this mixture.

   No labelling requirements for this mixture.

2.3. Other hazards
   No data available.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1. Substances
   No substances fulfil the criteria set forth in annexe II section A of the REACH regulation (EC) n° 1907/2006.

3.2. Mixtures
   No substances fulfil the criteria set forth in annexe II section A of the REACH regulation (EC) n° 1907/2006.
SECTION 4 : FIRST AID MEASURES

As a general rule, in case of doubt or if symptoms persist, always call a doctor. NEVER induce swallowing by an unconscious person.

4.1. Description of first aid measures

In the event of swallowing:
Seek medical attention, showing the label.

4.2. Most important symptoms and effects, both acute and delayed
No data available.

4.3. Indication of any immediate medical attention and special treatment needed
No data available.

SECTION 5 : FIREFIGHTING MEASURES

Non-flammable.

5.1. Extinguishing media

5.2. Special hazards arising from the substance or mixture
A fire will often produce a thick black smoke. Exposure to decomposition products may be hazardous to health.
Do not breathe in smoke.
In the event of a fire, the following may be formed:
- carbon monoxide (CO)
- carbon dioxide (CO2)

5.3. Advice for firefighters
No data available.

SECTION 6 : ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures
Consult the safety measures listed under headings 7 and 8.

For fire-fighters
Fire-fighters will be equipped with suitable personal protective equipment (See section 8).

6.2. Environmental precautions
Contain and control the leaks or spills with non-combustible absorbent materials such as sand, earth, vermiculite, diatomaceous earth in drums for waste disposal.
Prevent any material from entering drains or waterways.

6.3. Methods and material for containment and cleaning up
Clean preferably with a detergent, do not use solvents.

6.4. Reference to other sections
No data available.

SECTION 7 : HANDLING AND STORAGE

Requirements relating to storage premises apply to all facilities where the mixture is handled.

7.1. Precautions for safe handling
Always wash hands after handling.

Fire prevention:
Prevent access by unauthorised personnel.

Recommended equipment and procedures:
For personal protection, see section 8.
Observe precautions stated on label and also industrial safety regulations.
Prohibited equipment and procedures:
No smoking, eating or drinking in areas where the mixture is used.

7.2. Conditions for safe storage, including any incompatibilities
No data available.

Storage
Keep out of reach of children.

Packaging
Always keep in packaging made of an identical material to the original.

7.3. Specific end use(s)
No data available.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters
No data available.

8.2. Exposure controls

Personal protection measures, such as personal protective equipment

Pictogram(s) indicating the obligation of wearing personal protective equipment (PPE):

Use personal protective equipment that is clean and has been properly maintained.
Store personal protective equipment in a clean place, away from the work area.
Never eat, drink or smoke during use. Remove and wash contaminated clothing before re-using. Ensure that there is adequate ventilation, especially in confined areas.

- Eye / face protection
Avoid contact with eyes.
Use eye protectors designed to protect against liquid splashes
Before handling, wear safety goggles in accordance with standard EN166.

- Hand protection
Wear suitable protective gloves in the event of prolonged or repeated skin contact.
Type of gloves recommended:
- Natural latex

- Body protection
Work clothing worn by personnel shall be laundered regularly.
After contact with the product, all parts of the body that have been soiled must be washed.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

General information:
Physical state: viscous liquid.

Important health, safety and environmental information
pH: Not stated.
slightly basic.
Boiling point/boiling range: not specified.
Flash point interval: not relevant.
Vapour pressure: not relevant.
Density: > 1
Water solubility: Dilutable.
Melting point/melting range: not specified.
Self-ignition temperature: not specified.
Decomposition point/decomposition range: not specified.

9.2. Other information
No data available.

SECTION 10 : STABILITY AND REACTIVITY

10.1. Reactivity
No data available.

10.2. Chemical stability
This mixture is stable under the recommended handling and storage conditions in section 7.

10.3. Possibility of hazardous reactions
No data available.

10.4. Conditions to avoid

10.5. Incompatible materials

10.6. Hazardous decomposition products
The thermal decomposition may release/form:
- carbon monoxide (CO)
- carbon dioxide (CO2)

SECTION 11 : TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects
No data available.

11.1.1. Substances
No toxicological data available for the substances.

11.1.2. Mixture
No toxicological data available for the mixture.

Monograph(s) from the IARC (International Agency for Research on Cancer):
CAS 64-17-5: IARC Group 1: The agent is carcinogenic to humans.

SECTION 12 : ECOLOGICAL INFORMATION

12.1. Toxicity

12.1.1. Substances
No aquatic toxicity data available for the substances.

12.1.2. Mixtures
No aquatic toxicity data available for the mixture.

12.2. Persistence and degradability
No data available.

12.3. Bioaccumulative potential
No data available.

12.4. Mobility in soil
No data available.

12.5. Results of PBT and vPvB assessment
No data available.
12.6. Other adverse effects
No data available.

SECTION 13: DISPOSAL CONSIDERATIONS
Proper waste management of the mixture and/or its container must be determined in accordance with Directive 2008/98/EC.

13.1. Waste treatment methods
Do not pour into drains or waterways.

Waste:
Waste management is carried out without endangering human health, without harming the environment and, in particular without risk to water, air, soil, plants or animals.
Recycle or dispose of waste in compliance with current legislation, preferably via a certified collector or company.
Do not contaminate the ground or water with waste, do not dispose of waste into the environment.

Soiled packaging:
Empty container completely. Keep label(s) on container.
Give to a certified disposal contractor.

SECTION 14: TRANSPORT INFORMATION
Exempt from transport classification and labelling.

SECTION 15: REGULATORY INFORMATION
15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture
- Particular provisions:
  No data available.
- Standardised American system for the identification of hazards presented by the product in view of emergency procedures (NFPA 704):
  NFPA 704, Labelling: Health=0 Inflammability=1 Instability/Reactivity=1 Specific Risk=none

15.2. Chemical safety assessment
No data available.

SECTION 16: OTHER INFORMATION
Since the user's working conditions are not known by us, the information supplied on this safety data sheet is based on our current level of knowledge and on national and community regulations.
The mixture must not be used for other uses than those specified in section 1 without having first obtained written handling instructions.
It is at all times the responsibility of the user to take all necessary measures to comply with legal requirements and local regulations.
The information in this safety data sheet must be regarded as a description of the safety requirements relating to the mixture and not as a guarantee of the properties thereof.

Abbreviations:
ADR: European agreement concerning the international carriage of dangerous goods by Road.
IMDG: International Maritime Dangerous Goods.
IATA: International Air Transport Association.
ICAO : International Civil Aviation Organisation

RID : Regulations concerning the International carriage of Dangerous goods by rail.
SAFETY DATA SHEET
(REACH regulation (EC) n° 1907/2006 - n° 453/2010)

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1. Product identifier
Product name: TINFIX DESIGN LAQUE ORANGE
Product code: N143006.013.

1.2. Relevant identified uses of the substance or mixture and uses advised against

1.3. Details of the supplier of the safety data sheet
Registered company name: Max Sauer SAS.
Address: 2 rue Lamarck. 22000. Saint Brieuc. France.
Telephone: 0033(0)296682000. Fax: 0033(0)296770065.
mail@raphael.fr

1.4. Emergency telephone number: +33 (0)1 45 42 59 59.

SECTION 2: HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture
In compliance with EC regulation No. 1272/2008 and its amendments.
This mixture does not present a physical hazard. Refer to the recommendations regarding the other products present on the site.
This mixture does not present a health hazard.
This mixture does not present an environmental hazard. No known or foreseeable environmental damage under standard conditions of use.

This mixture does not present a physical hazard. Refer to the recommendations regarding the other products present on the site.
This mixture does not present a health hazard.
This mixture does not present an environmental hazard. No known or foreseeable environmental damage under standard conditions of use.

2.2. Label elements
In compliance with EC regulation No. 1272/2008 and its amendments.
No labelling requirements for this mixture.

No labelling requirements for this mixture.

2.3. Other hazards
No data available.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1. Substances
No substances fulfil the criteria set forth in annexe II section A of the REACH regulation (EC) n° 1907/2006.

3.2. Mixtures
Composition:

<table>
<thead>
<tr>
<th>Identification</th>
<th>Name</th>
<th>Classification</th>
<th>%</th>
</tr>
</thead>
<tbody>
<tr>
<td>INDEX: 603-096-00-8</td>
<td>2-(2-BUTOXYETHOXY)ETHANOL</td>
<td>GHS07, Wng</td>
<td>1 &lt;= x % &lt; 2.5</td>
</tr>
</tbody>
</table>
SECTION 4: FIRST AID MEASURES
As a general rule, in case of doubt or if symptoms persist, always call a doctor. NEVER induce swallowing by an unconscious person.

4.1. Description of first aid measures
In the event of swallowing:
Seek medical attention, showing the label.

4.2. Most important symptoms and effects, both acute and delayed
No data available.

4.3. Indication of any immediate medical attention and special treatment needed
No data available.

SECTION 5: FIREFIGHTING MEASURES
Non-flammable.

5.1. Extinguishing media

5.2. Special hazards arising from the substance or mixture
A fire will often produce a thick black smoke. Exposure to decomposition products may be hazardous to health. Do not breathe in smoke.
In the event of a fire, the following may be formed:
- carbon monoxide (CO)
- carbon dioxide (CO2)

5.3. Advice for firefighters
No data available.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures
Consult the safety measures listed under headings 7 and 8.
For fire-fighters
Fire-fighters will be equipped with suitable personal protective equipment (See section 8).

6.2. Environmental precautions
Contain and control the leaks or spills with non-combustible absorbent materials such as sand, earth, vermiculite, diatomaceous earth in drums for waste disposal.
Prevent any material from entering drains or waterways.

6.3. Methods and material for containment and cleaning up
Clean preferably with a detergent, do not use solvents.

6.4. Reference to other sections
No data available.

SECTION 7: HANDLING AND STORAGE
Requirements relating to storage premises apply to all facilities where the mixture is handled.

7.1. Precautions for safe handling
Always wash hands after handling.

Fire prevention:
Prevent access by unauthorised personnel.

Recommended equipment and procedures:
For personal protection, see section 8.
Observe precautions stated on label and also industrial safety regulations.
Prohibited equipment and procedures:
No smoking, eating or drinking in areas where the mixture is used.

7.2. Conditions for safe storage, including any incompatibilities
No data available.

Storage
Keep out of reach of children.

Packaging
Always keep in packaging made of an identical material to the original.

7.3. Specific end use(s)
No data available.

SECTION 8 : EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters
Occupational exposure limits:
  CAS  VME-mg/m3  VME-ppm  VLE-mg/m3  VLE-ppm  Notes
  112-34-5  67.5  10  101.2  15  -
- Germany - AGW (BAuA - TRGS 900, 21/06/2010):
  CAS  VME  VME  Excess  Notes
  112-34-5  -  100 mg/m3  1(I)  DFG, Y
- France (INRS - ED984 :2008):
  CAS  VME-ppm  VME-mg/m3  VLE-ppm  VLE-mg/m3  Notes  TMP No
  112-34-5  10  67.5  15  101.2  -  -

8.2. Exposure controls
Personal protection measures, such as personal protective equipment
Pictogram(s) indicating the obligation of wearing personal protective equipment (PPE):

Use personal protective equipment that is clean and has been properly maintained.
Store personal protective equipment in a clean place, away from the work area.
Never eat, drink or smoke during use. Remove and wash contaminated clothing before re-using. Ensure that there is adequate ventilation, especially in confined areas.

- Eye / face protection
  Avoid contact with eyes.
  Use eye protectors designed to protect against liquid splashes
  Before handling, wear safety goggles in accordance with standard EN166.

- Hand protection
  Wear suitable protective gloves in the event of prolonged or repeated skin contact.
  Type of gloves recommended:
  - Natural latex

- Body protection
  Work clothing worn by personnel shall be laundered regularly.
  After contact with the product, all parts of the body that have been soiled must be washed.
SECTION 9 : PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

General information:

Physical state: viscous liquid.
Important health, safety and environmental information:

pH: Not stated.
Boiling point/boiling range: not specified.
Flash point interval: not relevant.
Vapour pressure: not relevant.
Density: > 1
Water solubility: Dilutable.
Melting point/melting range: not specified.
Self-ignition temperature: not specified.
Decomposition point/decomposition range: not specified.

9.2. Other information

No data available.

SECTION 10 : STABILITY AND REACTIVITY

10.1. Reactivity

No data available.

10.2. Chemical stability

This mixture is stable under the recommended handling and storage conditions in section 7.

10.3. Possibility of hazardous reactions

No data available.

10.4. Conditions to avoid

10.5. Incompatible materials

10.6. Hazardous decomposition products

The thermal decomposition may release/form:
- carbon monoxide (CO)
- carbon dioxide (CO2)

SECTION 11 : TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects

No data available.

11.1.1. Substances

No toxicological data available for the substances.

11.1.2. Mixture

No toxicological data available for the mixture.

Monograph(s) from the IARC (International Agency for Research on Cancer):

CAS 64-17-5 : IARC Group 1 : The agent is carcinogenic to humans.
SECTION 12: ECOLOGICAL INFORMATION

12.1. Toxicity
   12.1.1. Substances
   No aquatic toxicity data available for the substances.

12.2. Persistence and degradability
   No data available.

12.3. Bioaccumulative potential
   No data available.

12.4. Mobility in soil
   No data available.

12.5. Results of PBT and vPvB assessment
   No data available.

12.6. Other adverse effects
   No data available.

SECTION 13: DISPOSAL CONSIDERATIONS

Proper waste management of the mixture and/or its container must be determined in accordance with Directive 2008/98/EC.

13.1. Waste treatment methods
   Do not pour into drains or waterways.

   Waste:
   Waste management is carried out without endangering human health, without harming the environment and, in particular without risk to water, air, soil, plants or animals.
   Recycle or dispose of waste in compliance with current legislation, preferably via a certified collector or company.
   Do not contaminate the ground or water with waste, do not dispose of waste into the environment.

   Soiled packaging:
   Empty container completely. Keep label(s) on container.
   Give to a certified disposal contractor.

SECTION 14: TRANSPORT INFORMATION

Exempt from transport classification and labelling.

SECTION 15: REGULATORY INFORMATION

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture
   Banned from sale to the general public (EC Regulation No. 1907/2006) - For professional users only.

   - Particular provisions:
   No data available.
15.2. Chemical safety assessment

No data available.

SECTION 16: OTHER INFORMATION

Since the user’s working conditions are not known by us, the information supplied on this safety data sheet is based on our current level of knowledge and on national and community regulations.

The mixture must not be used for other uses than those specified in section 1 without having first obtained written handling instructions.

It is at all times the responsibility of the user to take all necessary measures to comply with legal requirements and local regulations.

The information in this safety data sheet must be regarded as a description of the safety requirements relating to the mixture and not as a guarantee of the properties thereof.

Title for H, EUH and R indications mentioned in section 3:

H319 Causes serious eye irritation.
R36 Irritating to eyes.

Abbreviations:

ADR: European agreement concerning the international carriage of dangerous goods by Road.
IMDG: International Maritime Dangerous Goods.
IATA: International Air Transport Association.
ICAO: International Civil Aviation Organisation.
RID: Regulations concerning the International carriage of Dangerous goods by rail.
SAFETY DATA SHEET
(REACH regulation (EC) n° 1907/2006 - n° 453/2010)

SECTION 1 : IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1. Product identifier
   Product name : TINFIX DESIGN ORANGE VIF
   Product code : N143006.015.

1.2. Relevant identified uses of the substance or mixture and uses advised against

1.3. Details of the supplier of the safety data sheet
   Registered company name : Max Sauer SAS.
   Address : 2 rue Lamarck.22000.Saint Brieuc.France.
   Telephone : 0033(0)296682000.     Fax : 0033(0)296770065.
   mail@raphael.fr

1.4. Emergency telephone number : +33 (0)1 45 42 59 59.

SECTION 2 : HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture
   In compliance with EC regulation No. 1272/2008 and its amendments.
   Skin sensitisation, Category 1 (Skin Sens. 1, H317).
   Hazardous to the aquatic environment - Chronic hazard, Category 2 (Aquatic Chronic 2, H411).
   This mixture does not present a physical hazard. Refer to the recommendations regarding the other products present on the site.

   Skin sensitisation (Xi, R 43).
   Aquatic environmental hazard, chronic toxicity: toxic (N, R $\$1/53).
   This mixture does not present a physical hazard. Refer to the recommendations regarding the other products present on the site.

2.2. Label elements
   In compliance with EC regulation No. 1272/2008 and its amendments.
   Hazard pictograms :

   GHS09
   GHS07

   Signal Word :
   WARNING

   Product identifiers :

   Additional labeling :
   For professional use only.
   May cause an allergic skin reaction.
   Toxic to aquatic life with long lasting effects.
   If medical advice is needed, have product container or label at hand.
   Keep out of reach of children.
P103 Read label before use.

Precautionary statements - Prevention:
P261 Avoid breathing dust/fume/gas/mist/vapours/spray.
P272 Contaminated work clothing should not be allowed out of the workplace.
P273 Avoid release to the environment.
P280 Wear protective gloves/protective clothing/eye protection/face protection.

Precautionary statements - Response:
P302 + P352 IF ON SKIN: Wash with plenty of soap and water.
P321 Specific treatment (see ... on this label).
P333 + P313 If skin irritation or rash occurs: Get medical advice/attention.
P363 Wash contaminated clothing before reuse.
P391 Collect spillage.

Precautionary statements - Disposal:
P501 Dispose of contents/container to ...


Hazard symbols:
- Irritant
- Dangerous for the environment

Contains:
- EC 276-127-2 2,5-DICHLORO-4-[4-[5-[[((DODECYCLOXY)CARBONYL]AMINO]-2-SULFONATOPHENYL]AZOL]-4,5-DIHYDRO-3-METHYL-5-OXO-1H-PYRAZOLE-1-YL]BENZENSULFONATE DE DISODIUM

Risk phrase:
- R 51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
- R 43 May cause sensitisation by skin contact.

Safety phrase:
- S 2 Keep out of the reach of children.
- S 24 Avoid contact with skin.
- S 29 Do not empty into drains.
- S 37 Wear suitable gloves.
- S 46 If swallowed, seek medical advice immediately and show this container or label.
- S 13 Keep away from food, drink and animal feedingstuffs.


2.3. Other hazards
No data available.

SECTION 3 : COMPOSITION/INFORMATION ON INGREDIENTS

3.1. Substances
No substances fulfil the criteria set forth in annexe II section A of the REACH regulation (EC) n° 1907/2006.

3.2. Mixtures
Composition:

<table>
<thead>
<tr>
<th>Identification</th>
<th>Name</th>
<th>Classification</th>
<th>%</th>
</tr>
</thead>
</table>
SECTION 4 : FIRST AID MEASURES

As a general rule, in case of doubt or if symptoms persist, always call a doctor.

NEVER induce swallowing by an unconscious person.

4.1. Description of first aid measures

In the event of splashes or contact with skin :

Remove contaminated clothing and wash the skin thoroughly with soap and water or a recognised cleaner.

Watch out for any remaining product between skin and clothing, watches, shoes, etc.

In the event of an allergic reaction, seek medical attention.

If the contaminated area is widespread and/or there is damage to the skin, a doctor must be consulted or the patient transferred to hospital.

In the event of swallowing :

Do not give the patient anything orally.

In the event of swallowing, if the quantity is small (no more than one mouthful), rinse the mouth with water and consult a doctor. Seek medical attention immediately, showing the label.

4.2. Most important symptoms and effects, both acute and delayed

No data available.

4.3. Indication of any immediate medical attention and special treatment needed

No data available.

SECTION 5 : FIREFIGHTING MEASURES

Non-flammable.

5.1. Extinguishing media

5.2. Special hazards arising from the substance or mixture

A fire will often produce a thick black smoke. Exposure to decomposition products may be hazardous to health.

Do not breathe in smoke.

In the event of a fire, the following may be formed :

- carbon monoxide (CO)
- carbon dioxide (CO2)
5.3. Advice for firefighters

No data available.

SECTION 6 : ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures
Consult the safety measures listed under headings 7 and 8.

For non fire-fighters
Avoid any contact with the skin and eyes.

For fire-fighters
Fire-fighters will be equipped with suitable personal protective equipment (See section 8).

6.2. Environmental precautions
Contain and control the leaks or spills with non-combustible absorbent materials such as sand, earth, vermiculite, diatomaceous earth in drums for waste disposal.
Prevent any material from entering drains or waterways.

6.3. Methods and material for containment and cleaning up
Clean preferably with a detergent, do not use solvents.

6.4. Reference to other sections
No data available.

SECTION 7 : HANDLING AND STORAGE

Requirements relating to storage premises apply to all facilities where the mixture is handled.
Individuals with a history of skin sensitisation should not, under any circumstance, handle this mixture.

7.1. Precautions for safe handling
Always wash hands after handling.
Remove and wash contaminated clothing before re-using.

Fire prevention :
Prevent access by unauthorised personnel.

Recommended equipment and procedures :
For personal protection, see section 8.
Observe precautions stated on label and also industrial safety regulations.

Prohibited equipment and procedures :
No smoking, eating or drinking in areas where the mixture is used.

7.2. Conditions for safe storage, including any incompatibilities
No data available.

Storage
Keep out of reach of children.

Packaging
Always keep in packaging made of an identical material to the original.

7.3. Specific end use(s)
No data available.

SECTION 8 : EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters
Occupational exposure limits : 

<table>
<thead>
<tr>
<th>CAS</th>
<th>VME-mg/m3</th>
<th>VME-ppm</th>
<th>VLE-mg/m3</th>
<th>VLE-ppm</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>112-34-5</td>
<td>67.5</td>
<td>10</td>
<td>101.2</td>
<td>15</td>
<td>-</td>
</tr>
</tbody>
</table>

- Made under licence of European Label System® MSDS software from InfoDyne - http://www.infodyne.fr -
8.2. Exposure controls

**Personal protection measures, such as personal protective equipment**

Pictogram(s) indicating the obligation of wearing personal protective equipment (PPE):

Use personal protective equipment that is clean and has been properly maintained.
Store personal protective equipment in a clean place, away from the work area.
Never eat, drink or smoke during use. Remove and wash contaminated clothing before re-using. Ensure that there is adequate ventilation, especially in confined areas.

- **Eye / face protection**
  Avoid contact with eyes.
  Use eye protectors designed to protect against liquid splashes
  Before handling, wear safety goggles in accordance with standard EN166.

- **Hand protection**
  Use suitable protective gloves that are resistant to chemical agents in accordance with standard EN374.
  Gloves must be selected according to the application and duration of use at the workstation.
  Protective gloves need to be selected according to their suitability for the workstation in question: other chemical products that may be handled, necessary physical protections (cutting, pricking, heat protection), level of dexterity required.
  Type of gloves recommended:
  - Natural latex
  Recommended properties:
  - Impervious gloves in accordance with standard EN374

- **Body protection**
  Avoid skin contact.
  Wear suitable protective clothing.
  Suitable type of protective clothing:
  In the event of substantial spatter, wear liquid-tight protective clothing against chemical risks (type 3) in accordance with EN14605 to prevent skin contact.
  In the event of a risk of splashing, wear protective clothing against chemical risks (type 6) in accordance with EN13034 to prevent skin contact.
  Work clothing worn by personnel shall be laundered regularly.
  After contact with the product, all parts of the body that have been soiled must be washed.

**SECTION 9 : PHYSICAL AND CHEMICAL PROPERTIES**

9.1. Information on basic physical and chemical properties

**General information**:
- **Physical state**: viscous liquid.

**Important health, safety and environmental information**
- **pH**: Not stated.
  - Slightly basic.
- **Boiling point/boiling range**: not specified.
- **Flash point interval**: not relevant.
- **Vapour pressure**: not relevant.
Density: > 1
Water solubility: Dilutable.
Melting point/melting range: not specified.
Self-ignition temperature: not specified.
Decomposition point/decomposition range: not specified.

9.2. Other information
No data available.

SECTION 10: STABILITY AND REACTIVITY
10.1. Reactivity
No data available.
10.2. Chemical stability
This mixture is stable under the recommended handling and storage conditions in section 7.
10.3. Possibility of hazardous reactions
No data available.
10.4. Conditions to avoid
10.5. Incompatible materials
10.6. Hazardous decomposition products
The thermal decomposition may release/form:
- carbon monoxide (CO)
- carbon dioxide (CO2)

SECTION 11: TOXICOLOGICAL INFORMATION
11.1. Information on toxicological effects
May cause an allergic reaction by skin contact.
11.1.1. Substances
No toxicological data available for the substances.
11.1.2. Mixture
No toxicological data available for the mixture.
Monograph(s) from the IARC (International Agency for Research on Cancer):
CAS 64-17-5: IARC Group 1: The agent is carcinogenic to humans.

SECTION 12: ECOLOGICAL INFORMATION
Toxic to aquatic life with long lasting effects.
The product must not be allowed to run into drains or waterways.
12.1. Toxicity
12.1.1. Substances
No aquatic toxicity data available for the substances.
12.1.2. Mixtures
No aquatic toxicity data available for the mixture.
12.2. Persistence and degradability
No data available.
12.3. Bioaccumulative potential
No data available.
12.4. Mobility in soil
No data available.
12.5. Results of PBT and vPvB assessment
No data available.

12.6. Other adverse effects
No data available.

SECTION 13 : DISPOSAL CONSIDERATIONS
Proper waste management of the mixture and/or its container must be determined in accordance with Directive 2008/98/EC.

13.1. Waste treatment methods
Do not pour into drains or waterways.

Waste:
Waste management is carried out without endangering human health, without harming the environment and, in particular, without risk to water, air, soil, plants or animals.
Recycle or dispose of waste in compliance with current legislation, preferably via a certified collector or company.
Do not contaminate the ground or water with waste, do not dispose of waste into the environment.

Soiled packaging:
Empty container completely. Keep label(s) on container.
Give to a certified disposal contractor.

SECTION 14 : TRANSPORT INFORMATION

14.1. UN number
3082

14.2. UN proper shipping name
UN3082=ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.
(mixture of: 5-chloro-2-methyl-4-isothiazolin-3-one [ec no. 247-500-7] and 2-methyl-2-hisothiazol-3-one [ec no. 220-239-6] (3:1))

14.3. Transport hazard class(es)
- Classification:

   ![Classification 9]

9

14.4. Packing group
III

14.5. Environmental hazards
- Environmentally hazardous material:

14.6. Special precautions for user

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<th>Class</th>
<th>Code</th>
<th>Pack gr.</th>
<th>Label</th>
<th>Ident.</th>
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<th>Provis.</th>
<th>EQ</th>
<th>Cat.</th>
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<td>Pack gr.</td>
<td>LQ</td>
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<tr>
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<td>F-A,S-F</td>
<td>274 335</td>
<td>E1</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code
No data available.

SECTION 15 : REGULATORY INFORMATION
15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture
Banned from sale to the general public (EC Regulation No. 1907/2006) - For professional users only.
For professional users only.

- Particular provisions :
No data available.

- Standardised American system for the identification of hazards presented by the product in view of emergency procedures
(NFPA 704) :
NFPA 704, Labelling: Health=2 Inflammability=1 Instability/Reactivity=1 Specific Risk=none

15.2. Chemical safety assessment
No data available.

SECTION 16 : OTHER INFORMATION
Since the user's working conditions are not known by us, the information supplied on this safety data sheet is based on our current level of knowledge and on national and community regulations.
The mixture must not be used for other uses than those specified in section 1 without having first obtained written handling instructions.
It is at all times the responsibility of the user to take all necessary measures to comply with legal requirements and local regulations.
The information in this safety data sheet must be regarded as a description of the safety requirements relating to the mixture and not as a guarantee of the properties thereof.

Title for H, EUH and R indications mentioned in section 3 :
H301 Toxic if swallowed.
H311 Toxic in contact with skin.
H314 Causes severe skin burns and eye damage.
H317 May cause an allergic skin reaction.
H319 Causes serious eye irritation.
H331 Toxic if inhaled.
H410 Very toxic to aquatic life with long lasting effects.
R 23/24/25 Toxic by inhalation, in contact with skin and if swallowed.
R 34 Causes burns.
R 36 Irritating to eyes.
R 43 May cause sensitisation by skin contact.
R 50/53 Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
Abbreviations :

ADR : European agreement concerning the international carriage of dangerous goods by Road.
IMDG : International Maritime Dangerous Goods.
IATA : International Air Transport Association.
ICAO : International Civil Aviation Organisation
RID : Regulations concerning the International carriage of Dangerous goods by rail.
GHS07 : Exclamation mark
GHS09 : Environment
SAFETY DATA SHEET
(REACH regulation (EC) n° 1907/2006 - n° 453/2010)

SECTION 1 : IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1. Product identifier
Product name : TINFIX DESIGN ROUGE NACARAT
Product code : N143006.018.

1.2. Relevant identified uses of the substance or mixture and uses advised against

1.3. Details of the supplier of the safety data sheet
Registered company name : Max Sauer SAS.
Address : 2 rue Lamarck.22000.Saint Brieuc.France.
Telephone : 0033(0)296682000.     Fax : 0033(0)296770065.
mail@raphael.fr

1.4. Emergency telephone number : +33 (0)1 45 42 59 59.

SECTION 2 : HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture
In compliance with EC regulation No. 1272/2008 and its amendments.
This mixture does not present a physical hazard. Refer to the recommendations regarding the other products present on the site.
This mixture does not present a health hazard.
This mixture does not present an environmental hazard. No known or foreseeable environmental damage under standard conditions of use.

This mixture does not present a physical hazard. Refer to the recommendations regarding the other products present on the site.
This mixture does not present a health hazard.
This mixture does not present an environmental hazard. No known or foreseeable environmental damage under standard conditions of use.

2.2. Label elements
In compliance with EC regulation No. 1272/2008 and its amendments.
No labelling requirements for this mixture.

No labelling requirements for this mixture.

2.3. Other hazards
No data available.

SECTION 3 : COMPOSITION/INFORMATION ON INGREDIENTS

3.1. Substances
No substances fulfil the criteria set forth in annexe II section A of the REACH regulation (EC) n° 1907/2006.

3.2. Mixtures
No substances fulfil the criteria set forth in annexe II section A of the REACH regulation (EC) n° 1907/2006.
SECTION 4 : FIRST AID MEASURES
As a general rule, in case of doubt or if symptoms persist, always call a doctor.
NEVER induce swallowing by an unconscious person.

4.1. Description of first aid measures
In the event of swallowing:
Seek medical attention, showing the label.

4.2. Most important symptoms and effects, both acute and delayed
No data available.

4.3. Indication of any immediate medical attention and special treatment needed
No data available.

SECTION 5 : FIREFIGHTING MEASURES
Non-flammable.

5.1. Extinguishing media

5.2. Special hazards arising from the substance or mixture
A fire will often produce a thick black smoke. Exposure to decomposition products may be hazardous to health.
Do not breathe in smoke.
In the event of a fire, the following may be formed:
- carbon monoxide (CO)
- carbon dioxide (CO2)

5.3. Advice for firefighters
No data available.

SECTION 6 : ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures
Consult the safety measures listed under headings 7 and 8.

For fire-fighters
Fire-fighters will be equipped with suitable personal protective equipment (See section 8).

6.2. Environmental precautions
Contain and control the leaks or spills with non-combustible absorbent materials such as sand, earth, vermiculite, diatomaceous earth in drums for waste disposal.
Prevent any material from entering drains or waterways.

6.3. Methods and material for containment and cleaning up
Clean preferably with a detergent, do not use solvents.

6.4. Reference to other sections
No data available.

SECTION 7 : HANDLING AND STORAGE
Requirements relating to storage premises apply to all facilities where the mixture is handled.

7.1. Precautions for safe handling
Always wash hands after handling.

Fire prevention:
Prevent access by unauthorised personnel.

Recommended equipment and procedures:
For personal protection, see section 8.
Observe precautions stated on label and also industrial safety regulations.
Prohibited equipment and procedures:
No smoking, eating or drinking in areas where the mixture is used.

7.2. Conditions for safe storage, including any incompatibilities
No data available.

Storage
Keep out of reach of children.

Packaging
Always keep in packaging made of an identical material to the original.

7.3. Specific end use(s)
No data available.

SECTION 8 : EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters
No data available.

8.2. Exposure controls

Personal protection measures, such as personal protective equipment
Pictogram(s) indicating the obligation of wearing personal protective equipment (PPE):

Use personal protective equipment that is clean and has been properly maintained.
Store personal protective equipment in a clean place, away from the work area.

Never eat, drink or smoke during use. Remove and wash contaminated clothing before re-using. Ensure that there is adequate ventilation, especially in confined areas.

- Eye / face protection
Avoid contact with eyes.
Use eye protectors designed to protect against liquid splashes
Before handling, wear safety goggles in accordance with standard EN166.

- Hand protection
Wear suitable protective gloves in the event of prolonged or repeated skin contact.

Type of gloves recommended:
- Natural latex

- Body protection
Work clothing worn by personnel shall be laundered regularly.

After contact with the product, all parts of the body that have been soiled must be washed.

SECTION 9 : PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

General information:
Physical state: viscous liquid.

Important health, safety and environmental information
pH: Not stated.
slightly basic.
Boiling point/boiling range: not specified.
Flash point interval: not relevant.
Vapour pressure: not relevant.
Density: > 1
Water solubility: Dilutable.
9.2. Other information
No data available.

SECTION 10 : STABILITY AND REACTIVITY

10.1. Reactivity
No data available.

10.2. Chemical stability
This mixture is stable under the recommended handling and storage conditions in section 7.

10.3. Possibility of hazardous reactions
No data available.

10.4. Conditions to avoid

10.5. Incompatible materials

10.6. Hazardous decomposition products
The thermal decomposition may release/form:
- carbon monoxide (CO)
- carbon dioxide (CO2)

SECTION 11 : TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects
No data available.

11.1.1. Substances
No toxicological data available for the substances.

11.1.2. Mixture
No toxicological data available for the mixture.

Monograph(s) from the IARC (International Agency for Research on Cancer):
CAS 64-17-5 : IARC Group 1 : The agent is carcinogenic to humans.

SECTION 12 : ECOLOGICAL INFORMATION

12.1. Toxicity

12.1.1. Substances
No aquatic toxicity data available for the substances.

12.1.2. Mixtures
No aquatic toxicity data available for the mixture.

12.2. Persistence and degradability
No data available.

12.3. Bioaccumulative potential
No data available.

12.4. Mobility in soil
No data available.

12.5. Results of PBT and vPvB assessment
No data available.
12.6. Other adverse effects
No data available.

SECTION 13 : DISPOSAL CONSIDERATIONS
Proper waste management of the mixture and/or its container must be determined in accordance with Directive 2008/98/EC.

13.1. Waste treatment methods
Do not pour into drains or waterways.

Waste:
Waste management is carried out without endangering human health, without harming the environment and, in particular without risk to water, air, soil, plants or animals.
Recycle or dispose of waste in compliance with current legislation, preferably via a certified collector or company.
Do not contaminate the ground or water with waste, do not dispose of waste into the environment.

Soiled packaging:
Empty container completely. Keep label(s) on container.
Give to a certified disposal contractor.

SECTION 14 : TRANSPORT INFORMATION
Exempt from transport classification and labelling.

SECTION 15 : REGULATORY INFORMATION
15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture
- Particular provisions:
  No data available.
- Standardised American system for the identification of hazards presented by the product in view of emergency procedures (NFPA 704):
  NFPA 704, Labelling: Health=0 Inflammability=1 Instability/Reactivity=1 Specific Risk=none

15.2. Chemical safety assessment
No data available.

SECTION 16 : OTHER INFORMATION
Since the user's working conditions are not known by us, the information supplied on this safety data sheet is based on our current level of knowledge and on national and community regulations.
The mixture must not be used for other uses than those specified in section 1 without having first obtained written handling instructions.
It is at all times the responsibility of the user to take all necessary measures to comply with legal requirements and local regulations.
The information in this safety data sheet must be regarded as a description of the safety requirements relating to the mixture and not as a guarantee of the properties thereof.

Abbreviations:
ADR: European agreement concerning the international carriage of dangerous goods by Road.
IMDG: International Maritime Dangerous Goods.
IATA: International Air Transport Association.
ICAO : International Civil Aviation Organisation
RID : Regulations concerning the International carriage of Dangerous goods by rail.
SAFETY DATA SHEET
(REACH regulation (EC) no 1907/2006 - no 453/2010)

SECTION 1 : IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1. Product identifier
   Product name : TINFIX DESIGN CORAIL
   Product code : N143006.019.

1.2. Relevant identified uses of the substance or mixture and uses advised against

1.3. Details of the supplier of the safety data sheet
   Registered company name : Max Sauer SAS.
   Address : 2 rue Lamarck.22000.Saint Brieuc.France.
   Telephone : 0033(0)296682000.     Fax : 0033(0)296770065.
   mail@raphael.fr

1.4. Emergency telephone number : +33 (0)1 45 42 59 59.

SECTION 2 : HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture
   In compliance with EC regulation No. 1272/2008 and its amendments.
   Skin sensitisation, Category 1 (Skin Sens. 1, H317).
   This mixture does not present a physical hazard. Refer to the recommendations regarding the other products present on the site.
   This mixture does not present an environmental hazard. No known or foreseeable environmental damage under standard conditions of use.

   Skin sensitisation (Xi, R 43).
   This mixture does not present a physical hazard. Refer to the recommendations regarding the other products present on the site.
   This mixture does not present an environmental hazard. No known or foreseeable environmental damage under standard conditions of use.

2.2. Label elements
   In compliance with EC regulation No. 1272/2008 and its amendments.
   Hazard pictograms :
   GHS07
   Signal Word : WARNING
   Product identifiers :
   Additional labeling :
   For professional use only.

   Hazard statements :
   H317 May cause an allergic skin reaction.

   Precautionary statements - General :
   P101 If medical advice is needed, have product container or label at hand.
Precautionary statements - Prevention:
- P102 Keep out of reach of children.
- P103 Read label before use.

Precautionary statements - Response:
- P302 + P352 IF ON SKIN: Wash with plenty of soap and water.
- P313 If skin irritation or rash occurs: Get medical advice/attention.
- P363 Wash contaminated clothing before reuse.

Precautionary statements - Disposal:
- P501 Dispose of contents/container to ... 


Hazard symbols:

Contains:
- 5-chloro-2-methyl-4-isothiazolin-3-one [EC NO. 247-500-7]
- 2-methyl-2H-isothiazol-3-one [EC NO. 220-239-6] (3:1)

Risk phrase:
- R 43 May cause sensitisation by skin contact.

Safety phrase:
- S 2 Keep out of the reach of children.
- S 24 Avoid contact with skin.
- S 37 Wear suitable gloves.
- S 46 If swallowed, seek medical advice immediately and show this container or label.
- S 13 Keep away from food, drink and animal feedingstuffs.


2.3. Other hazards
No data available.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1. Substances
No substances fulfil the criteria set forth in annexe II section A of the REACH regulation (EC) n° 1907/2006.

3.2. Mixtures

<table>
<thead>
<tr>
<th>Composition</th>
<th>Name</th>
<th>Classification</th>
</tr>
</thead>
<tbody>
<tr>
<td>INDEX: 603-096-00-8 CAS: 112-34-5 EC: 203-961-6</td>
<td>2-(2-BUTOXYETHOXY)ETHANOL</td>
<td>GHS07, Wng Xi H:319 R: 36</td>
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<tr>
<td>INDEX: 611-038-00-8 EC: 406-820-9</td>
<td>TRISODIUM 1-HYDROXYNAPHTHALENE-2-AZO-4-(5,5''-DIMETHYLBPHENYL)-4''-AZO(4''-PHENYLSULFONYLOXYBENZENE)-2,2''-4-TRISULFONATE</td>
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</tr>
</tbody>
</table>

- Made under licence of European Label System® MSDS software from InfoDyne - http://www.infodyne.fr -
SECTION 4 : FIRST AID MEASURES

As a general rule, in case of doubt or if symptoms persist, always call a doctor.

NEVER induce swallowing by an unconscious person.

4.1. Description of first aid measures

In the event of splashes or contact with skin:
- Remove contaminated clothing and wash the skin thoroughly with soap and water or a recognised cleaner.
- Watch out for any remaining product between skin and clothing, watches, shoes, etc.
- In the event of an allergic reaction, seek medical attention.
- If the contaminated area is widespread and/or there is damage to the skin, a doctor must be consulted or the patient transferred to hospital.

In the event of swallowing:
- Do not give the patient anything orally.
- In the event of swallowing, if the quantity is small (no more than one mouthful), rinse the mouth with water and consult a doctor.
- Seek medical attention immediately, showing the label.

4.2. Most important symptoms and effects, both acute and delayed

No data available.

4.3. Indication of any immediate medical attention and special treatment needed

No data available.

SECTION 5 : FIREFIGHTING MEASURES

Non-flammable.

5.1. Extinguishing media

5.2. Special hazards arising from the substance or mixture

A fire will often produce a thick black smoke. Exposure to decomposition products may be hazardous to health.
- Do not breathe in smoke.
- In the event of a fire, the following may be formed:
  - carbon monoxide (CO)
  - carbon dioxide (CO2)

5.3. Advice for firefighters

No data available.

SECTION 6 : ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

Consult the safety measures listed under headings 7 and 8.

For non fire-fighters
- Avoid any contact with the skin and eyes.

For fire-fighters
- Fire-fighters will be equipped with suitable personal protective equipment (See section 8).
6.2. Environmental precautions

Contain and control the leaks or spills with non-combustible absorbent materials such as sand, earth, vermiculite, diatomaceous earth in drums for waste disposal.

Prevent any material from entering drains or waterways.

6.3. Methods and material for containment and cleaning up

Clean preferably with a detergent, do not use solvents.

6.4. Reference to other sections

No data available.

SECTION 7 : HANDLING AND STORAGE

Requirements relating to storage premises apply to all facilities where the mixture is handled. Individuals with a history of skin sensitisation should not, under any circumstance, handle this mixture.

7.1. Precautions for safe handling

Always wash hands after handling.

Remove and wash contaminated clothing before re-using.

Fire prevention:

Prevent access by unauthorised personnel.

Recommended equipment and procedures:

For personal protection, see section 8.

Observe precautions stated on label and also industrial safety regulations.

Prohibited equipment and procedures:

No smoking, eating or drinking in areas where the mixture is used.

7.2. Conditions for safe storage, including any incompatibilities

No data available.

Storage

Keep out of reach of children.

Packaging

Always keep in packaging made of an identical material to the original.

7.3. Specific end use(s)

No data available.

SECTION 8 : EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

Occupational exposure limits:


<table>
<thead>
<tr>
<th>CAS</th>
<th>VME-mg/m³</th>
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<th>VLE-mg/m³</th>
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<td>67.5</td>
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<td>-</td>
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<tr>
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<td>260</td>
<td>-</td>
<td>-</td>
<td>-</td>
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- ACGIH TLV (American Conference of Governmental Industrial Hygienists, Threshold Limit Values, 2010):

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<th>Ceiling</th>
<th>Definition</th>
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- Germany - AGW (BAuA - TRGS 900, 21/06/2010):

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<td>DFG, Y</td>
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<tr>
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<td>4(II)</td>
<td>DFG, EU, H, Y</td>
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</table>

- France (INRS - ED984 :2008):

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<td>67.5</td>
<td>15</td>
<td>101.2</td>
<td>-</td>
<td>-</td>
</tr>
</tbody>
</table>
8.2. Exposure controls

Personal protection measures, such as personal protective equipment

Pictogram(s) indicating the obligation of wearing personal protective equipment (PPE):

Use personal protective equipment that is clean and has been properly maintained.

Store personal protective equipment in a clean place, away from the work area.

Never eat, drink or smoke during use. Remove and wash contaminated clothing before re-using. Ensure that there is adequate ventilation, especially in confined areas.

- Eye / face protection

Avoid contact with eyes.

Use eye protectors designed to protect against liquid splashes

Before handling, wear safety goggles in accordance with standard EN166.

- Hand protection

Wear suitable protective gloves in the event of prolonged or repeated skin contact.

Use suitable protective gloves that are resistant to chemical agents in accordance with standard EN374.

Gloves must be selected according to the application and duration of use at the workstation.

Protective gloves need to be selected according to their suitability for the workstation in question: other chemical products that may be handled, necessary physical protections (cutting, pricking, heat protection), level of dexterity required.

Type of gloves recommended:
- Natural latex
- Impervious gloves in accordance with standard EN374

- Body protection

Avoid skin contact.

Wear suitable protective clothing.

Suitable type of protective clothing:

In the event of substantial spatter, wear liquid-tight protective clothing against chemical risks (type 3) in accordance with EN14605 to prevent skin contact.

In the event of a risk of splashing, wear protective clothing against chemical risks (type 6) in accordance with EN13034 to prevent skin contact.

Work clothing worn by personnel shall be laundered regularly.

After contact with the product, all parts of the body that have been soiled must be washed.

SECTION 9 : PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

General information:

Physical state: viscous liquid.

Important health, safety and environmental information

pH: Not stated.

slightly basic.

Boiling point/boiling range: not specified.

Flash point interval: not relevant.

Vapour pressure: not relevant.
Density: > 1
Water solubility: Dilutable.
Melting point/melting range: not specified.
Self-ignition temperature: not specified.
Decomposition point/decomposition range: not specified.

9.2. Other information
No data available.

SECTION 10 : STABILITY AND REACTIVITY

10.1. Reactivity
No data available.

10.2. Chemical stability
This mixture is stable under the recommended handling and storage conditions in section 7.

10.3. Possibility of hazardous reactions
No data available.

10.4. Conditions to avoid

10.5. Incompatible materials

10.6. Hazardous decomposition products
The thermal decomposition may release/form:
- carbon monoxide (CO)
- carbon dioxide (CO2)

SECTION 11 : TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects
May cause an allergic reaction by skin contact.

11.1.1. Substances
No toxicological data available for the substances.

11.1.2. Mixture
No toxicological data available for the mixture.

Monograph(s) from the IARC (International Agency for Research on Cancer):
CAS 64-17-5: IARC Group 1: The agent is carcinogenic to humans.

SECTION 12 : ECOLOGICAL INFORMATION

12.1. Toxicity

12.1.1. Substances
No aquatic toxicity data available for the substances.

12.1.2. Mixtures
No aquatic toxicity data available for the mixture.

12.2. Persistence and degradability
No data available.

12.3. Bioaccumulative potential
No data available.

12.4. Mobility in soil
No data available.

12.5. Results of PBT and vPvB assessment
No data available.
12.6. Other adverse effects
No data available.

SECTION 13: DISPOSAL CONSIDERATIONS
Proper waste management of the mixture and/or its container must be determined in accordance with Directive 2008/98/EC.

13.1. Waste treatment methods
Do not pour into drains or waterways.

Waste:
Waste management is carried out without endangering human health, without harming the environment and, in particular without risk to water, air, soil, plants or animals.
Recycle or dispose of waste in compliance with current legislation, preferably via a certified collector or company.
Do not contaminate the ground or water with waste, do not dispose of waste into the environment.

Soiled packaging:
Empty container completely. Keep label(s) on container.
Give to a certified disposal contractor.

SECTION 14: TRANSPORT INFORMATION
Exempt from transport classification and labelling.

SECTION 15: REGULATORY INFORMATION
15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture
Banned from sale to the general public (EC Regulation No. 1907/2006) - For professional users only.
For professional users only.
- Particular provisions:
No data available.
- Standardised American system for the identification of hazards presented by the product in view of emergency procedures (NFPA 704):
NFPA 704, Labelling: Health=2 Inflammability=1 Instability/Reactivity=1 Specific Risk=none

15.2. Chemical safety assessment
No data available.

SECTION 16: OTHER INFORMATION
Since the user's working conditions are not known by us, the information supplied on this safety data sheet is based on our current level of knowledge and on national and community regulations.
The mixture must not be used for other uses than those specified in section 1 without having first obtained written handling instructions.
It is at all times the responsibility of the user to take all necessary measures to comply with legal requirements and local regulations.
The information in this safety data sheet must be regarded as a description of the safety requirements relating to the mixture and not as a guarantee of the properties thereof.
Title for H, EUH and R indications mentioned in section 3:

H225 Highly flammable liquid and vapour.
H301 Toxic if swallowed.
H311 Toxic in contact with skin.
H314 Causes severe skin burns and eye damage.
H317 May cause an allergic skin reaction.
H319 Causes serious eye irritation.
H331 Toxic if inhaled.
H370 Causes damage to organs.
H410 Very toxic to aquatic life with long lasting effects.
R 11 Highly flammable.
R 23/24/25 Toxic by inhalation, in contact with skin and if swallowed.
R 34 Causes burns.
R 36 Irritating to eyes.
R 39/23/24/25 Toxic: danger of very serious irreversible effects through inhalation, in contact with skin and if swallowed.
R 43 May cause sensitisation by skin contact.
R 50/53 Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Abbreviations:
ADR : European agreement concerning the international carriage of dangerous goods by Road.
IMDG : International Maritime Dangerous Goods.
IATA : International Air Transport Association.
ICAO : International Civil Aviation Organisation.
RID : Regulations concerning the International carriage of Dangerous goods by rail.
GHS07 : Exclamation mark
SAFETY DATA SHEET
(REACH regulation (EC) n° 1907/2006 - n° 453/2010)

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1. Product identifier
   Product name: TINFIX DESIGN ROUGE ANCIEN
   Product code: N143006.021.

1.2. Relevant identified uses of the substance or mixture and uses advised against

1.3. Details of the supplier of the safety data sheet
   Registered company name: Max Sauer SAS.
   Address: 2 rue Lamarck, 22000 Saint-Brieuc, France.
   Telephone: 0033(0)296682000. Fax: 0033(0)296770065.
   mail@raphael.fr

1.4. Emergency telephone number: +33 (0)1 45 42 59 59.

SECTION 2: HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture
   In compliance with EC regulation No. 1272/2008 and its amendments.
   Skin sensitisation, Category 1 (Skin Sens. 1, H317).
   This mixture does not present a physical hazard. Refer to the recommendations regarding the other products present on the site.
   This mixture does not present an environmental hazard. No known or foreseeable environmental damage under standard conditions of use.

2.2. Label elements
   Skin sensitisation (Xi, R 43).
   This mixture does not present a physical hazard. Refer to the recommendations regarding the other products present on the site.
   This mixture does not present an environmental hazard. No known or foreseeable environmental damage under standard conditions of use.

2.2. Label elements
   In compliance with EC regulation No. 1272/2008 and its amendments.
   Hazard pictograms:
   GHS07
   Signal Word: WARNING
   Product identifiers:
   Additional labeling: For professional use only.
   Hazard statements:
   H317 May cause an allergic skin reaction.
   Precautionary statements - General:
   P101 If medical advice is needed, have product container or label at hand.
P102 Keep out of reach of children.
P103 Read label before use.

Precautionary statements - Prevention:
P261 Avoid breathing dust/fume/gas/mist/vapours/spray.
P272 Contaminated work clothing should not be allowed out of the workplace.
P280 Wear protective gloves/protective clothing/eye protection/face protection.

Precautionary statements - Response:
P302 + P352 IF ON SKIN: Wash with plenty of soap and water.
P321 Specific treatment (see ... on this label).
P333 + P313 If skin irritation or rash occurs: Get medical advice/attention.
P363 Wash contaminated clothing before reuse.

Precautionary statements - Disposal:
P501 Dispose of contents/container to ...


Hazard symbols:

Contains:

Risk phrase:
R 43 May cause sensitisation by skin contact.

Safety phrase:
S 2 Keep out of the reach of children.
S 24 Avoid contact with skin.
S 37 Wear suitable gloves.
S 46 If swallowed, seek medical advice immediately and show this container or label.
S 13 Keep away from food, drink and animal feedingstuffs.


2.3. Other hazards
No data available.

SECTION 3 : COMPOSITION/INFORMATION ON INGREDIENTS

3.1. Substances
No substances fulfil the criteria set forth in annexe II section A of the REACH regulation (EC) n° 1907/2006.

3.2. Mixtures
Composition:

<table>
<thead>
<tr>
<th>Identification</th>
<th>Name</th>
<th>Classification</th>
<th>%</th>
</tr>
</thead>
<tbody>
<tr>
<td>INDEX: 603-096-00-8 CAS: 112-34-5 EC: 203-961-6</td>
<td>2-(2-BUTOXYETHOXY)ETHANOL</td>
<td>GHS07, Wng, Xi: H319, R: 36</td>
<td>2.5 &lt;= x % &lt; 10</td>
</tr>
<tr>
<td>INDEX: 611-038-00-8 EC: 406-820-9</td>
<td>TRISODIUM 1-HYDROXYNAPHTHALENE-2-AZO-4 (5',5''-DIMETHYLBIPHENYL)-4''-AZO(4''-PHENYLSULFONYLXOBENZENE)-2',2'',4-TRISULFONATE</td>
<td>GHS07, Wng, Xi: H319, R: 36</td>
<td>2.5 &lt;= x % &lt; 10</td>
</tr>
</tbody>
</table>
SECTION 4 : FIRST AID MEASURES

As a general rule, in case of doubt or if symptoms persist, always call a doctor.
NEVER induce swallowing by an unconscious person.

4.1. Description of first aid measures

- In the event of splashes or contact with skin:
  Remove contaminated clothing and wash the skin thoroughly with soap and water or a recognised cleaner.
  Watch out for any remaining product between skin and clothing, watches, shoes, etc.
  In the event of an allergic reaction, seek medical attention.
  If the contaminated area is widespread and/or there is damage to the skin, a doctor must be consulted or the patient transferred to hospital.

- In the event of swallowing:
  Do not give the patient anything orally.
  In the event of swallowing, if the quantity is small (no more than one mouthful), rinse the mouth with water and consult a doctor.
  Seek medical attention immediately, showing the label.

4.2. Most important symptoms and effects, both acute and delayed

No data available.

4.3. Indication of any immediate medical attention and special treatment needed

No data available.

SECTION 5 : FIREFIGHTING MEASURES

Non-flammable.

5.1. Extinguishing media

5.2. Special hazards arising from the substance or mixture

A fire will often produce a thick black smoke. Exposure to decomposition products may be hazardous to health.
Do not breathe in smoke.
In the event of a fire, the following may be formed:
- carbon monoxide (CO)
- carbon dioxide (CO2)

5.3. Advice for firefighters

No data available.

SECTION 6 : ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

Consult the safety measures listed under headings 7 and 8.

For non fire-fighters

Avoid any contact with the skin and eyes.

For fire-fighters

Fire-fighters will be equipped with suitable personal protective equipment (See section 8).
6.2. Environmental precautions

Contain and control the leaks or spills with non-combustible absorbent materials such as sand, earth, vermiculite, diatomaceous earth in drums for waste disposal.
Prevent any material from entering drains or waterways.

6.3. Methods and material for containment and cleaning up

Clean preferably with a detergent, do not use solvents.

6.4. Reference to other sections

No data available.

SECTION 7 : HANDLING AND STORAGE

Requirements relating to storage premises apply to all facilities where the mixture is handled.
Individuals with a history of skin sensitisation should not, under any circumstance, handle this mixture.

7.1. Precautions for safe handling

Always wash hands after handling.
Remove and wash contaminated clothing before re-using.

Fire prevention:
Prevent access by unauthorised personnel.

Recommended equipment and procedures:
For personal protection, see section 8.
Observe precautions stated on label and also industrial safety regulations.

Prohibited equipment and procedures:
No smoking, eating or drinking in areas where the mixture is used.

7.2. Conditions for safe storage, including any incompatibilities

No data available.

Storage
Keep out of reach of children.

Packaging
Always keep in packaging made of an identical material to the original.

7.3. Specific end use(s)

No data available.

SECTION 8 : EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

Occupational exposure limits:


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<th>VME-mg/m³</th>
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<td>101.2</td>
<td>15</td>
<td></td>
</tr>
<tr>
<td>67-56-1</td>
<td>260</td>
<td>200</td>
<td>-</td>
<td>-</td>
<td>Peau</td>
</tr>
</tbody>
</table>

- ACGIH TLV (American Conference of Governmental Industrial Hygienists, Threshold Limit Values, 2010):

<table>
<thead>
<tr>
<th>CAS</th>
<th>TWA :</th>
<th>STEL :</th>
<th>Ceiling :</th>
<th>Definition :</th>
<th>Criteria :</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>67-56-1</td>
<td>200 ppm</td>
<td>250 ppm</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
</tbody>
</table>

- Germany - AGW (BAuA - TRGS 900, 21/06/2010):

<table>
<thead>
<tr>
<th>CAS</th>
<th>VME :</th>
<th>VME :</th>
<th>Excess</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>112-34-5</td>
<td>-</td>
<td>100 mg/m³</td>
<td>1(I)</td>
<td>DFG, Y</td>
</tr>
<tr>
<td>67-56-1</td>
<td>200 ml/m³</td>
<td>270 mg/m³</td>
<td>4(II)</td>
<td>DFG, EU, H, Y</td>
</tr>
</tbody>
</table>

- France (INRS - ED984 :2008):

<table>
<thead>
<tr>
<th>CAS</th>
<th>VME-ppm :</th>
<th>VME-mg/m³ :</th>
<th>VLE-ppm :</th>
<th>VLE-mg/m³ :</th>
<th>Notes :</th>
<th>TMP No :</th>
</tr>
</thead>
<tbody>
<tr>
<td>112-34-5</td>
<td>10</td>
<td>67.5</td>
<td>15</td>
<td>101.2</td>
<td>-</td>
<td>-</td>
</tr>
</tbody>
</table>
8.2. Exposure controls

**Personal protection measures, such as personal protective equipment**

Pictogram(s) indicating the obligation of wearing personal protective equipment (PPE):

Use personal protective equipment that is clean and has been properly maintained.

Store personal protective equipment in a clean place, away from the work area.

Never eat, drink or smoke during use. Remove and wash contaminated clothing before re-using. Ensure that there is adequate ventilation, especially in confined areas.

- **Eye / face protection**
  - Avoid contact with eyes.
  - Use eye protectors designed to protect against liquid splashes
  - Before handling, wear safety goggles in accordance with standard EN166.

- **Hand protection**
  - Wear suitable protective gloves in the event of prolonged or repeated skin contact.
  - Use suitable protective gloves that are resistant to chemical agents in accordance with standard EN374.
  - Gloves must be selected according to the application and duration of use at the workstation.
  - Protective gloves need to be selected according to their suitability for the workstation in question: other chemical products that may be handled, necessary physical protections (cutting, pricking, heat protection), level of dexterity required.
  - Type of gloves recommended:
    - Natural latex
  - Recommended properties:
    - Impervious gloves in accordance with standard EN374

- **Body protection**
  - Avoid skin contact.
  - Wear suitable protective clothing.
  - Suitable type of protective clothing:
    - In the event of substantial spatter, wear liquid-tight protective clothing against chemical risks (type 3) in accordance with EN14605 to prevent skin contact.
    - In the event of a risk of splashing, wear protective clothing against chemical risks (type 6) in accordance with EN13034 to prevent skin contact.
  - Work clothing worn by personnel shall be laundered regularly.
  - After contact with the product, all parts of the body that have been soiled must be washed.

---

**SECTION 9 : PHYSICAL AND CHEMICAL PROPERTIES**

9.1. Information on basic physical and chemical properties

**General information:**
- **Physical state:** viscous liquid.

**Important health, safety and environmental information**
- **pH:** Not stated.
  - Slightly basic.
- **Boiling point/boiling range:** not specified.
- **Flash point interval:** not relevant.
- **Vapour pressure:** not relevant.
Density: \(> 1\)
Water solubility: Dilutable.
Melting point/melting range: not specified.
Self-ignition temperature: not specified.
Decomposition point/decomposition range: not specified.

9.2. Other information
No data available.

SECTION 10: STABILITY AND REACTIVITY

10.1. Reactivity
No data available.

10.2. Chemical stability
This mixture is stable under the recommended handling and storage conditions in section 7.

10.3. Possibility of hazardous reactions
No data available.

10.4. Conditions to avoid

10.5. Incompatible materials

10.6. Hazardous decomposition products
The thermal decomposition may release/form:
- carbon monoxide (CO)
- carbon dioxide (CO2)

SECTION 11: TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects
May cause an allergic reaction by skin contact.

11.1.1. Substances
No toxicological data available for the substances.

11.1.2. Mixture
No toxicological data available for the mixture.

Monograph(s) from the IARC (International Agency for Research on Cancer):
CAS 64-17-5: IARC Group 1: The agent is carcinogenic to humans.

SECTION 12: ECOLOGICAL INFORMATION

12.1. Toxicity
12.1.1. Substances
No aquatic toxicity data available for the substances.

12.1.2. Mixtures
No aquatic toxicity data available for the mixture.

12.2. Persistence and degradability
No data available.

12.3. Bioaccumulative potential
No data available.

12.4. Mobility in soil
No data available.

12.5. Results of PBT and vPvB assessment
No data available.
12.6. Other adverse effects
No data available.

SECTION 13: DISPOSAL CONSIDERATIONS
Proper waste management of the mixture and/or its container must be determined in accordance with Directive 2008/98/EC.

13.1. Waste treatment methods
Do not pour into drains or waterways.

Waste:
Waste management is carried out without endangering human health, without harming the environment and, in particular without risk to water, air, soil, plants or animals.
Recycle or dispose of waste in compliance with current legislation, preferably via a certified collector or company.
Do not contaminate the ground or water with waste, do not dispose of waste into the environment.

Soiled packaging:
Empty container completely. Keep label(s) on container.
Give to a certified disposal contractor.

SECTION 14: TRANSPORT INFORMATION
Exempt from transport classification and labelling.

SECTION 15: REGULATORY INFORMATION
15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture
Banned from sale to the general public (EC Regulation No. 1907/2006) - For professional users only.
For professional users only.

- Particular provisions:
No data available.

- Standardised American system for the identification of hazards presented by the product in view of emergency procedures (NFPA 704):
NFPA 704, Labelling: Health=2 Inflammability=1 Instability/Reactivity=1 Specific Risk=none

15.2. Chemical safety assessment
No data available.

SECTION 16: OTHER INFORMATION
Since the user's working conditions are not known by us, the information supplied on this safety data sheet is based on our current level of knowledge and on national and community regulations.
The mixture must not be used for other uses than those specified in section 1 without having first obtained written handling instructions.
It is at all times the responsibility of the user to take all necessary measures to comply with legal requirements and local regulations.
The information in this safety data sheet must be regarded as a description of the safety requirements relating to the mixture and not as a guarantee of the properties thereof.
Title for H, EUH and R indications mentioned in section 3:

<table>
<thead>
<tr>
<th>H225</th>
<th>Highly flammable liquid and vapour.</th>
</tr>
</thead>
<tbody>
<tr>
<td>H301</td>
<td>Toxic if swallowed.</td>
</tr>
<tr>
<td>H311</td>
<td>Toxic in contact with skin.</td>
</tr>
<tr>
<td>H314</td>
<td>Causes severe skin burns and eye damage.</td>
</tr>
<tr>
<td>H317</td>
<td>May cause an allergic skin reaction.</td>
</tr>
<tr>
<td>H319</td>
<td>Causes serious eye irritation.</td>
</tr>
<tr>
<td>H331</td>
<td>Toxic if inhaled.</td>
</tr>
<tr>
<td>H370</td>
<td>Causes damage to organs.</td>
</tr>
<tr>
<td>H410</td>
<td>Very toxic to aquatic life with long lasting effects.</td>
</tr>
<tr>
<td>R 11</td>
<td>Highly flammable.</td>
</tr>
<tr>
<td>R 23/24/25</td>
<td>Toxic by inhalation, in contact with skin and if swallowed.</td>
</tr>
<tr>
<td>R 34</td>
<td>Causes burns.</td>
</tr>
<tr>
<td>R 36</td>
<td>Irritating to eyes.</td>
</tr>
<tr>
<td>R 39/23/24/25</td>
<td>Toxic: danger of very serious irreversible effects through inhalation, in contact with skin and if swallowed.</td>
</tr>
<tr>
<td>R 43</td>
<td>May cause sensitisation by skin contact.</td>
</tr>
<tr>
<td>R 50/53</td>
<td>Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.</td>
</tr>
</tbody>
</table>

Abbreviations:

ADR: European agreement concerning the international carriage of dangerous goods by Road.
IMDG: International Maritime Dangerous Goods.
IATA: International Air Transport Association.
ICAO: International Civil Aviation Organisation.
RID: Regulations concerning the International carriage of Dangerous goods by rail.
GHS07: Exclamation mark
SAFETY DATA SHEET
(REACH regulation (EC) n° 1907/2006 - n° 453/2010)

SECTION 1 : IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1. Product identifier
   Product name : TINFIX DESIGN ROUGE RUBIS
   Product code : N143006.022.

1.2. Relevant identified uses of the substance or mixture and uses advised against

1.3. Details of the supplier of the safety data sheet
   Registered company name : Max Sauer SAS.
   Address : 2 rue Lamarck.22000.Saint Brieuc.France.
   Telephone : 0033(0)296682000.     Fax : 0033(0)296770065.
   mail@raphael.fr

1.4. Emergency telephone number : +33 (0)1 45 42 59 59.

SECTION 2 : HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture
   In compliance with EC regulation No. 1272/2008 and its amendments.
   This mixture does not present a physical hazard. Refer to the recommendations regarding the other products present on the site.
   This mixture does not present a health hazard.
   This mixture does not present an environmental hazard. No known or foreseeable environmental damage under standard conditions of use.

   This mixture does not present a physical hazard. Refer to the recommendations regarding the other products present on the site.
   This mixture does not present a health hazard.
   This mixture does not present an environmental hazard. No known or foreseeable environmental damage under standard conditions of use.

2.2. Label elements
   In compliance with EC regulation No. 1272/2008 and its amendments.
   Additional labeling :
   For professional use only.

   No labelling requirements for this mixture.
   Risk phrase :

2.3. Other hazards
   No data available.

SECTION 3 : COMPOSITION/INFORMATION ON INGREDIENTS

3.1. Substances
   No substances fulfil the criteria set forth in annexe II section A of the REACH regulation (EC) n° 1907/2006.

3.2. Mixtures
   Composition :

<table>
<thead>
<tr>
<th>Identification</th>
<th>Name</th>
<th>Classification</th>
<th>%</th>
</tr>
</thead>
</table>
SECTION 4 : FIRST AID MEASURES
As a general rule, in case of doubt or if symptoms persist, always call a doctor.
NEVER induce swallowing by an unconscious person.

4.1. Description of first aid measures
In the event of swallowing:
Seek medical attention, showing the label.

4.2. Most important symptoms and effects, both acute and delayed
No data available.

4.3. Indication of any immediate medical attention and special treatment needed
No data available.

SECTION 5 : FIREFIGHTING MEASURES
Non-flammable.

5.1. Extinguishing media

5.2. Special hazards arising from the substance or mixture
A fire will often produce a thick black smoke. Exposure to decomposition products may be hazardous to health.
Do not breathe in smoke.
In the event of a fire, the following may be formed:
- carbon monoxide (CO)
- carbon dioxide (CO2)

5.3. Advice for firefighters
No data available.

SECTION 6 : ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures
Consult the safety measures listed under headings 7 and 8.

For fire-fighters
Fire-fighters will be equipped with suitable personal protective equipment (See section 8).

6.2. Environmental precautions
Contain and control the leaks or spills with non-combustible absorbent materials such as sand, earth, vermiculite, diatomaceous earth in drums for waste disposal.
Prevent any material from entering drains or waterways.

6.3. Methods and material for containment and cleaning up
Clean preferably with a detergent, do not use solvents.

6.4. Reference to other sections
No data available.
SECTION 7 : HANDLING AND STORAGE

Requirements relating to storage premises apply to all facilities where the mixture is handled.

7.1. Precautions for safe handling
Always wash hands after handling.

Fire prevention:
Prevent access by unauthorised personnel.

Recommended equipment and procedures:
For personal protection, see section 8.
Observe precautions stated on label and also industrial safety regulations.

Prohibited equipment and procedures:
No smoking, eating or drinking in areas where the mixture is used.

7.2. Conditions for safe storage, including any incompatibilities
No data available.

Storage
Keep out of reach of children.

Packaging
Always keep in packaging made of an identical material to the original.

7.3. Specific end use(s)
No data available.

SECTION 8 : EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

Occupational exposure limits:
  CAS VME-mg/m3 : VME-ppm : VLE-mg/m3 : VLE-ppm : Notes :
  112-34-5  67.5 10 101.2 15 -
- Germany - AGW (BAuA - TRGS 900, 21/06/2010):
  CAS VME : VME-ppm : VLE-ppm : VLE-mg/m3 : Notes :
  112-34-5  - 100 mg/m3 1(I) DFG, Y
- France (INRS - ED984 :2008):
  CAS VME-ppm : VME : VLE-ppm : VLE-mg/m3 : Notes :
  112-34-5  10 67.5 15 101.2 -

8.2. Exposure controls

Personal protection measures, such as personal protective equipment

Pictogram(s) indicating the obligation of wearing personal protective equipment (PPE):

Use personal protective equipment that is clean and has been properly maintained.

Store personal protective equipment in a clean place, away from the work area.

Never eat, drink or smoke during use. Remove and wash contaminated clothing before re-using. Ensure that there is adequate ventilation, especially in confined areas.

- Eye / face protection
Avoid contact with eyes.

Use eye protectors designed to protect against liquid splashes

Before handling, wear safety goggles in accordance with standard EN166.
- **Hand protection**
  Wear suitable protective gloves in the event of prolonged or repeated skin contact.
  Type of gloves recommended:
  - Natural latex

- **Body protection**
  Work clothing worn by personnel shall be laundered regularly.
  After contact with the product, all parts of the body that have been soiled must be washed.

### SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

#### 9.1. Information on basic physical and chemical properties

**General information:**
Physical state: viscous liquid.

**Important health, safety and environmental information**
- **pH:** Not stated.
- **Boiling point/boiling range:** not specified.
- **Flash point interval:** not relevant.
- **Vapour pressure:** not relevant.
- **Density:** > 1
- **Water solubility:** Dilutable.
- **Melting point/melting range:** not specified.
- **Self-ignition temperature:** not specified.
- **Decomposition point/decomposition range:** not specified.

#### 9.2. Other information
No data available.

### SECTION 10: STABILITY AND REACTIVITY

#### 10.1. Reactivity
No data available.

#### 10.2. Chemical stability
This mixture is stable under the recommended handling and storage conditions in section 7.

#### 10.3. Possibility of hazardous reactions
No data available.

#### 10.4. Conditions to avoid

#### 10.5. Incompatible materials

#### 10.6. Hazardous decomposition products
The thermal decomposition may release/form:
- carbon monoxide (CO)
- carbon dioxide (CO2)

### SECTION 11: TOXICOLOGICAL INFORMATION

#### 11.1. Information on toxicological effects
No data available.

#### 11.1.1. Substances
No toxicological data available for the substances.

#### 11.1.2. Mixture
No toxicological data available for the mixture.
Monograph(s) from the IARC (International Agency for Research on Cancer):
CAS 64-17-5: IARC Group 1: The agent is carcinogenic to humans.

SECTION 12: ECOLOGICAL INFORMATION
12.1. Toxicity
12.1.1. Substances
   No aquatic toxicity data available for the substances.
12.1.2. Mixtures
   No aquatic toxicity data available for the mixture.
12.2. Persistence and degradability
   No data available.
12.3. Bioaccumulative potential
   No data available.
12.4. Mobility in soil
   No data available.
12.5. Results of PBT and vPvB assessment
   No data available.
12.6. Other adverse effects
   No data available.

SECTION 13: DISPOSAL CONSIDERATIONS
Proper waste management of the mixture and/or its container must be determined in accordance with Directive 2008/98/EC.

13.1. Waste treatment methods
   Do not pour into drains or waterways.
   Waste:
   Waste management is carried out without endangering human health, without harming the environment and, in particular without risk to water, air, soil, plants or animals.
   Recycle or dispose of waste in compliance with current legislation, preferably via a certified collector or company.
   Do not contaminate the ground or water with waste, do not dispose of waste into the environment.
   Soiled packaging:
   Empty container completely. Keep label(s) on container.
   Give to a certified disposal contractor.

SECTION 14: TRANSPORT INFORMATION
Exempt from transport classification and labelling.

SECTION 15: REGULATORY INFORMATION
15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture
   Banned from sale to the general public (EC Regulation No. 1907/2006) - For professional users only.
   For professional users only.
   - Particular provisions:
     No data available.
15.2. Chemical safety assessment

No data available.

SECTION 16 : OTHER INFORMATION

Since the user's working conditions are not known by us, the information supplied on this safety data sheet is based on our current level of knowledge and on national and community regulations.

The mixture must not be used for other uses than those specified in section 1 without having first obtained written handling instructions.

It is at all times the responsibility of the user to take all necessary measures to comply with legal requirements and local regulations.

The information in this safety data sheet must be regarded as a description of the safety requirements relating to the mixture and not as a guarantee of the properties thereof.

Title for H, EUH and R indications mentioned in section 3 :

H319 Causes serious eye irritation.
R 36 Irritating to eyes.

Abbreviations :

ADR : European agreement concerning the international carriage of dangerous goods by Road.
IMDG : International Maritime Dangerous Goods.
IATA : International Air Transport Association.
ICAO : International Civil Aviation Organisation
RID : Regulations concerning the International carriage of Dangerous goods by rail.
SAFETY DATA SHEET
(REACH regulation (EC) n° 1907/2006 - n° 453/2010)

SECTION 1 : IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1. Product identifier
   Product name : TINFIX DESIGN BENGALE
   Product code : N143006.026.

1.2. Relevant identified uses of the substance or mixture and uses advised against

1.3. Details of the supplier of the safety data sheet
   Registered company name : Max Sauer SAS.
   Address : 2 rue Lamarck.22000.Saint Brieuc.France.
   Telephone : 0033(0)296682000.     Fax : 0033(0)296770065.
   mail@raphael.fr

1.4. Emergency telephone number : +33 (0)1 45 42 59 59.

SECTION 2 : HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

   - In compliance with EC regulation No. 1272/2008 and its amendments.
   - Skin sensitisation, Category 1 (Skin Sens. 1, H317).
   - Hazardous to the aquatic environment - Chronic hazard, Category 3 (Aquatic Chronic 3, H412).

   This mixture does not present a physical hazard. Refer to the recommendations regarding the other products present on the site.

   - Skin sensitisation (Xi, R 43).
   - Aquatic environmental hazard, chronic toxicity: harmful (R 52/53).

   This mixture does not present a physical hazard. Refer to the recommendations regarding the other products present on the site.

2.2. Label elements

   - In compliance with EC regulation No. 1272/2008 and its amendments.
   - Hazard pictograms : (GHS07)

   - Signal Word : WARNING

   Additional labeling : For professional use only.

   - Hazard statements : May cause an allergic skin reaction.
   - H317
   - Harmful to aquatic life with long lasting effects.
   - H412
   - Precautionary statements - General :
   - P101 If medical advice is needed, have product container or label at hand.
   - P102 Keep out of reach of children.
P103  Read label before use.

Precautionary statements - Prevention:
P261  Avoid breathing dust/fume/gas/mist/vapours/spray.
P272  Contaminated work clothing should not be allowed out of the workplace.
P273  Avoid release to the environment.
P280  Wear protective gloves/protective clothing/eye protection/face protection.

Precautionary statements - Response:
P302 + P352  IF ON SKIN: Wash with plenty of soap and water.
P321  Specific treatment (see ... on this label).
P333 + P313  If skin irritation or rash occurs: Get medical advice/attention.
P363  Wash contaminated clothing before reuse.

Precautionary statements - Disposal:
P501  Dispose of contents/container to ...


Hazard symbols:
- Irritant

Contains:
- EC 229-129-2 3-[5-CHLORO-2-PHENOXYPHENYL)AZO]-4-HYDROXY-5-[(P-TOLY)SULFONYL]AMINO]NAPHTALENE-2,7-DISULFONATE DE SODIUM

Risk phrase:
R 52/53  Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R 43  May cause sensitisation by skin contact.

Safety phrase:
S 2  Keep out of the reach of children.
S 24  Avoid contact with skin.
S 37  Wear suitable gloves.
S 46  If swallowed, seek medical advice immediately and show this container or label.
S 13  Keep away from food, drink and animal feedingstuffs.


2.3. Other hazards
No data available.

SECTION 3 : COMPOSITION/INFORMATION ON INGREDIENTS

3.1. Substances
No substances fulfil the criteria set forth in annexe II section A of the REACH regulation (EC) n° 1907/2006.

3.2. Mixtures
Composition:

<table>
<thead>
<tr>
<th>Identification</th>
<th>Name</th>
<th>Classification</th>
<th>%</th>
</tr>
</thead>
<tbody>
<tr>
<td>INDEX: 603-096-00-8 CAS: 112-34-5 EC: 203-961-6</td>
<td>2-(2-BUTOXYETHOXY)ETHANOL</td>
<td>GHS07, Wng, Xi, H:319 R:36</td>
<td>2.5 &lt;= x % &lt; 10</td>
</tr>
</tbody>
</table>
SECTION 4: FIRST AID MEASURES

As a general rule, in case of doubt or if symptoms persist, always call a doctor.
NEVER induce swallowing by an unconscious person.

4.1. Description of first aid measures

In the event of splashes or contact with skin:
- Remove contaminated clothing and wash the skin thoroughly with soap and water or a recognised cleaner.
- Watch out for any remaining product between skin and clothing, watches, shoes, etc.
- In the event of an allergic reaction, seek medical attention.
- If the contaminated area is widespread and/or there is damage to the skin, a doctor must be consulted or the patient transferred to hospital.

In the event of swallowing:
- Do not give the patient anything orally.
- In the event of swallowing, if the quantity is small (no more than one mouthful), rinse the mouth with water and consult a doctor.
- Seek medical attention immediately, showing the label.

4.2. Most important symptoms and effects, both acute and delayed

No data available.

4.3. Indication of any immediate medical attention and special treatment needed

No data available.

SECTION 5: FIREFIGHTING MEASURES

Non-flammable.

5.1. Extinguishing media

5.2. Special hazards arising from the substance or mixture

A fire will often produce a thick black smoke. Exposure to decomposition products may be hazardous to health.

Do not breathe in smoke.

In the event of a fire, the following may be formed:
- carbon monoxide (CO)
- carbon dioxide (CO2)

5.3. Advice for firefighters

No data available.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

Consult the safety measures listed under headings 7 and 8.

For non fire-fighters

Avoid any contact with the skin and eyes.
For fire-fighters
Fire-fighters will be equipped with suitable personal protective equipment (See section 8).

6.2. Environmental precautions
Contain and control the leaks or spills with non-combustible absorbent materials such as sand, earth, vermiculite, diatomaceous earth in drums for waste disposal.
Prevent any material from entering drains or waterways.

6.3. Methods and material for containment and cleaning up
Clean preferably with a detergent, do not use solvents.

6.4. Reference to other sections
No data available.

SECTION 7 : HANDLING AND STORAGE
Requirements relating to storage premises apply to all facilities where the mixture is handled.
Individuals with a history of skin sensitisation should not, under any circumstance, handle this mixture.

7.1. Precautions for safe handling
Always wash hands after handling.
Remove and wash contaminated clothing before re-using.
Fire prevention :
Prevent access by unauthorised personnel.
Recommended equipment and procedures :
For personal protection, see section 8.
Observe precautions stated on label and also industrial safety regulations.
Prohibited equipment and procedures :
No smoking, eating or drinking in areas where the mixture is used.

7.2. Conditions for safe storage, including any incompatibilities
No data available.
Storage
Keep out of reach of children.
Packaging
Always keep in packaging made of an identical material to the original.

7.3. Specific end use(s)
No data available.

SECTION 8 : EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters
Occupational exposure limits :
  CAS VME-mg/m3 : VME-ppm : VLE-mg/m3 : VLE-ppm : Notes :
  112-34-5  67.5  10  101.2  15 -
  67-56-1  260 200 - - Peau
- ACGIH TLV (American Conference of Governmental Industrial Hygienists, Threshold Limit Values, 2010) :
  CAS TWA : STEL : Ceiling : Definition : Criteria :
  67-56-1  200 ppm  250 ppm - - -
- Germany - AGW (BAuA - TRGS 900, 21/06/2010) :
  CAS VME : VME : Excess Notes
  112-34-5 -  100 mg/m3 1(I) DFG, Y
  67-56-1 200 ml/m3  270 mg/m3 4(II) DFG, EU, H, Y
8.2. Exposure controls

**Personal protection measures, such as personal protective equipment**

Pictogram(s) indicating the obligation of wearing personal protective equipment (PPE):

- Use personal protective equipment that is clean and has been properly maintained.
- Store personal protective equipment in a clean place, away from the work area.
- Never eat, drink or smoke during use. Remove and wash contaminated clothing before re-using. Ensure that there is adequate ventilation, especially in confined areas.

- **Eye / face protection**
  - Avoid contact with eyes.
  - Use eye protectors designed to protect against liquid splashes
  - Before handling, wear safety goggles in accordance with standard EN166.

- **Hand protection**
  - Use suitable protective gloves that are resistant to chemical agents in accordance with standard EN374.
  - Gloves must be selected according to the application and duration of use at the workstation.
  - Protective gloves need to be selected according to their suitability for the workstation in question: other chemical products that may be handled, necessary physical protections (cutting, pricking, heat protection), level of dexterity required.
  - Type of gloves recommended:
    - Natural latex
    - Impervious gloves in accordance with standard EN374

- **Body protection**
  - Avoid skin contact.
  - Wear suitable protective clothing.
  - Suitable type of protective clothing:
  - In the event of substantial spatter, wear liquid-tight protective clothing against chemical risks (type 3) in accordance with EN14605 to prevent skin contact.
  - In the event of a risk of splashing, wear protective clothing against chemical risks (type 6) in accordance with EN13034 to prevent skin contact.
  - Work clothing worn by personnel shall be laundered regularly.
  - After contact with the product, all parts of the body that have been soiled must be washed.

**SECTION 9 : PHYSICAL AND CHEMICAL PROPERTIES**

9.1. Information on basic physical and chemical properties

**General information**

- Physical state: viscous liquid.

**Important health, safety and environmental information**

- pH: Not stated.
  - slightly basic.
- Boiling point/boiling range: not specified.
- Flash point interval: not relevant.
9.2. Other information
No data available.

SECTION 10 : STABILITY AND REACTIVITY

10.1. Reactivity
No data available.

10.2. Chemical stability
This mixture is stable under the recommended handling and storage conditions in section 7.

10.3. Possibility of hazardous reactions
No data available.

10.4. Conditions to avoid

10.5. Incompatible materials

10.6. Hazardous decomposition products
The thermal decomposition may release/form:
- carbon monoxide (CO)
- carbon dioxide (CO2)

SECTION 11 : TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects
May cause an allergic reaction by skin contact.

11.1.1. Substances
No toxicological data available for the substances.

11.1.2. Mixture
No toxicological data available for the mixture.

Monograph(s) from the IARC (International Agency for Research on Cancer):
CAS 64-17-5 : IARC Group 1 : The agent is carcinogenic to humans.

SECTION 12 : ECOLOGICAL INFORMATION

Harmful to aquatic life with long lasting effects.
The product must not be allowed to run into drains or waterways.

12.1. Toxicity

12.1.1. Substances
No aquatic toxicity data available for the substances.

12.1.2. Mixtures
No aquatic toxicity data available for the mixture.

12.2. Persistence and degradability
No data available.

12.3. Bioaccumulative potential
No data available.

12.4. Mobility in soil
No data available.
12.5. Results of PBT and vPvB assessment
No data available.

12.6. Other adverse effects
No data available.

SECTION 13 : DISPOSAL CONSIDERATIONS
Proper waste management of the mixture and/or its container must be determined in accordance with Directive 2008/98/EC.

13.1. Waste treatment methods
Do not pour into drains or waterways.

Waste:
Waste management is carried out without endangering human health, without harming the environment and, in particular without risk to water, air, soil, plants or animals.
Recycle or dispose of waste in compliance with current legislation, preferably via a certified collector or company.
Do not contaminate the ground or water with waste, do not dispose of waste into the environment.

Soiled packaging:
Empty container completely. Keep label(s) on container.
Give to a certified disposal contractor.

SECTION 14 : TRANSPORT INFORMATION
Exempt from transport classification and labelling.

SECTION 15 : REGULATORY INFORMATION
15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture
Banned from sale to the general public (EC Regulation No. 1907/2006) - For professional users only.
For professional users only.
- Particular provisions:
No data available.
- Standardised American system for the identification of hazards presented by the product in view of emergency procedures (NFPA 704):
NFPA 704, Labelling: Health=2 Inflammability=1 Instability/Reactivity=1 Specific Risk=none

15.2. Chemical safety assessment
No data available.
SECTION 16: OTHER INFORMATION

Since the user’s working conditions are not known by us, the information supplied on this safety data sheet is based on our current level of knowledge and on national and community regulations.

The mixture must not be used for other uses than those specified in section 1 without having first obtained written handling instructions.

It is at all times the responsibility of the user to take all necessary measures to comply with legal requirements and local regulations. The information in this safety data sheet must be regarded as a description of the safety requirements relating to the mixture and not as a guarantee of the properties thereof.

Title for H, EUH and R indications mentioned in section 3:

H225  Highly flammable liquid and vapour.
H301  Toxic if swallowed.
H311  Toxic in contact with skin.
H314  Causes severe skin burns and eye damage.
H317  May cause an allergic skin reaction.
H319  Causes serious eye irritation.
H331  Toxic if inhaled.
H370  Causes damage to organs.
H410  Very toxic to aquatic life with long lasting effects.
H411  Toxic to aquatic life with long lasting effects.
R 11  Highly flammable.
R 23/24/25  Toxic by inhalation, in contact with skin and if swallowed.
R 34  Causes burns.
R 36  Irritating to eyes.
R 39/23/24/25  Toxic: danger of very serious irreversible effects through inhalation, in contact with skin and if swallowed.
R 43  May cause sensitisation by skin contact.
R 50/53  Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R 51/53  Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Abbreviations:

ADR  : European agreement concerning the international carriage of dangerous goods by Road.
IMDG  : International Maritime Dangerous Goods.
IATA  : International Air Transport Association.
ICAO  : International Civil Aviation Organisation
RID  : Regulations concerning the International carriage of Dangerous goods by rail.
GHS07 : Exclamation mark
SAFETY DATA SHEET
(REACH regulation (EC) n° 1907/2006 - n° 453/2010)

SECTION 1 : IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1. Product identifier
   Product name : TINFIX DESIGN ROSE CARMINÉ
   Product code : N143006.028.

1.2. Relevant identified uses of the substance or mixture and uses advised against
1.3. Details of the supplier of the safety data sheet
   Registered company name : Max Sauer SAS,
   Address : 2 rue Lamarck.22000.Saint Brieuc.France.
   Telephone : 0033(0)296682000.     Fax : 0033(0)296770065.
   mail@raphael.fr
   1.4. Emergency telephone number : +33 (0)1 45 42 59 59.

SECTION 2 : HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture
   In compliance with EC regulation No. 1272/2008 and its amendments.
   Skin sensitisation, Category 1 (Skin Sens. 1, H317).
   Hazardous to the aquatic environment - Chronic hazard, Category 3 (Aquatic Chronic 3, H412).
   This mixture does not present a physical hazard. Refer to the recommendations regarding the other products present on the site.
   Skin sensitisation (Xi, R 43).
   Aquatic environmental hazard, chronic toxicity: harmful (R 52/53).
   This mixture does not present a physical hazard. Refer to the recommendations regarding the other products present on the site.

2.2. Label elements
   In compliance with EC regulation No. 1272/2008 and its amendments.
   Hazard pictograms :
   GHS07
   Signal Word : WARNING
   Additional labeling : For professional use only.
   Hazard statements : H317 May cause an allergic skin reaction.
   H412 Harmful to aquatic life with long lasting effects.
   Precautionary statements - General : P101 If medical advice is needed, have product container or label at hand.
   P102 Keep out of reach of children.
Precautionary statements - Prevention:
P103 Read label before use.
P261 Avoid breathing dust/fume/gas/mist/vapours/spray.
P272 Contaminated work clothing should not be allowed out of the workplace.
P273 Avoid release to the environment.
P280 Wear protective gloves/protective clothing/eye protection/face protection.

Precautionary statements - Response:
P302 + P352 IF ON SKIN: Wash with plenty of soap and water.
P321 Specific treatment (see ... on this label).
P333 + P313 If skin irritation or rash occurs: Get medical advice/attention.
P363 Wash contaminated clothing before reuse.

Precautionary statements - Disposal:
P501 Dispose of contents/container to ...


Contains:

Risk phrase:
R 52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R 43 May cause sensitisation by skin contact.

Safety phrase:
S 2 Keep out of the reach of children.
S 24 Avoid contact with skin.
S 37 Wear suitable gloves.
S 46 If swallowed, seek medical advice immediately and show this container or label.
S 13 Keep away from food, drink and animal feedingstuffs.


2.3. Other hazards
No data available.

SECTION 3 : COMPOSITION/INFORMATION ON INGREDIENTS

3.1. Substances
No substances fulfil the criteria set forth in annexe II section A of the REACH regulation (EC) n° 1907/2006.

3.2. Mixtures
Composition:

<table>
<thead>
<tr>
<th>Identification</th>
<th>Name</th>
<th>Classification</th>
<th>%</th>
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<tr>
<td>INDEX: 603-096-00-8</td>
<td>2-(2-BUTOXYETHOXY)ETHANOL</td>
<td>GHS07, Wng</td>
<td>2.5 ≤ x % &lt; 10</td>
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<tr>
<td>CAS: 112-34-5</td>
<td></td>
<td>Xi</td>
<td></td>
</tr>
<tr>
<td>EC: 203-961-6</td>
<td></td>
<td>H:319</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>R: 36</td>
<td></td>
</tr>
</tbody>
</table>
SECTION 4 : FIRST AID MEASURES

As a general rule, in case of doubt or if symptoms persist, always call a doctor.
NEVER induce swallowing by an unconscious person.

4.1. Description of first aid measures

In the event of splashes or contact with skin :

Remove contaminated clothing and wash the skin thoroughly with soap and water or a recognised cleaner.
Watch out for any remaining product between skin and clothing, watches, shoes, etc.
In the event of an allergic reaction, seek medical attention.
If the contaminated area is widespread and/or there is damage to the skin, a doctor must be consulted or the patient transferred to hospital.

In the event of swallowing :

Do not give the patient anything orally.
In the event of swallowing, if the quantity is small (no more than one mouthful), rinse the mouth with water and consult a doctor.
Seek medical attention immediately, showing the label.

4.2. Most important symptoms and effects, both acute and delayed

No data available.

4.3. Indication of any immediate medical attention and special treatment needed

No data available.

SECTION 5 : FIREFIGHTING MEASURES

Non-flammable.

5.1. Extinguishing media

5.2. Special hazards arising from the substance or mixture

A fire will often produce a thick black smoke. Exposure to decomposition products may be hazardous to health.

Do not breathe in smoke.
In the event of a fire, the following may be formed :
- carbon monoxide (CO)
- carbon dioxide (CO2)

5.3. Advice for firefighters

No data available.
SECTION 6 : ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures
Consult the safety measures listed under headings 7 and 8.

For non fire-fighters
Avoid any contact with the skin and eyes.

For fire-fighters
Fire-fighters will be equipped with suitable personal protective equipment (See section 8).

6.2. Environmental precautions
Contain and control the leaks or spills with non-combustible absorbent materials such as sand, earth, vermiculite, diatomaceous earth in drums for waste disposal.
Prevent any material from entering drains or waterways.

6.3. Methods and material for containment and cleaning up
Clean preferably with a detergent, do not use solvents.

6.4. Reference to other sections
No data available.

SECTION 7 : HANDLING AND STORAGE
Requirements relating to storage premises apply to all facilities where the mixture is handled.
Individuals with a history of skin sensitisation should not, under any circumstance, handle this mixture.

7.1. Precautions for safe handling
Always wash hands after handling.
Remove and wash contaminated clothing before re-using.

Fire prevention :
Prevent access by unauthorised personnel.

Recommended equipment and procedures :
For personal protection, see section 8.
Observe precautions stated on label and also industrial safety regulations.

Prohibited equipment and procedures :
No smoking, eating or drinking in areas where the mixture is used.

7.2. Conditions for safe storage, including any incompatibilities
No data available.

Storage
Keep out of reach of children.

Packaging
Always keep in packaging made of an identical material to the original.

7.3. Specific end use(s)
No data available.

SECTION 8 : EXPOSURE CONTROLS/PERSERSONAL PROTECTION

8.1. Control parameters
Occupational exposure limits :

<table>
<thead>
<tr>
<th>CAS</th>
<th>VME-mg/m3</th>
<th>VME-ppm</th>
<th>VLE-mg/m3</th>
<th>VLE-ppm</th>
<th>Notes</th>
</tr>
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<td>112-34-5</td>
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<td>10</td>
<td>101.2</td>
<td>15</td>
<td>-</td>
</tr>
<tr>
<td>67-56-1</td>
<td>260</td>
<td>200</td>
<td>-</td>
<td>-</td>
<td>Peau</td>
</tr>
</tbody>
</table>
- ACGIH TLV (American Conference of Governmental Industrial Hygienists, Threshold Limit Values, 2010) :
8.2. Exposure controls

**Personal protection measures, such as personal protective equipment**

Pictogram(s) indicating the obligation of wearing personal protective equipment (PPE):

- Use personal protective equipment that is clean and has been properly maintained.
- Store personal protective equipment in a clean place, away from the work area.
- Never eat, drink or smoke during use. Remove and wash contaminated clothing before re-using. Ensure that there is adequate ventilation, especially in confined areas.

- **Eye / face protection**
  - Avoid contact with eyes.
  - Use eye protectors designed to protect against liquid splashes.
  - Before handling, wear safety goggles in accordance with standard EN166.

- **Hand protection**
  - Use suitable protective gloves that are resistant to chemical agents in accordance with standard EN374.
  - Gloves must be selected according to the application and duration of use at the workstation.
  - Protective gloves need to be selected according to their suitability for the workstation in question: other chemical products that may be handled, necessary physical protections (cutting, pricking, heat protection), level of dexterity required.
  - Type of gloves recommended:
    - Natural latex
    - Impervious gloves in accordance with standard EN374

- **Body protection**
  - Avoid skin contact.
  - Wear suitable protective clothing.
    - Suitable type of protective clothing:
      - In the event of substantial spatter, wear liquid-tight protective clothing against chemical risks (type 3) in accordance with EN14605 to prevent skin contact.
      - In the event of a risk of splashing, wear protective clothing against chemical risks (type 6) in accordance with EN13034 to prevent skin contact.
    - Work clothing worn by personnel shall be laundered regularly.
    - After contact with the product, all parts of the body that have been soiled must be washed.
SECTION 9 : PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

General information :
Physical state : viscous liquid.

Important health, safety and environmental information
pH : Not stated.
Boiling point/boiling range : not specified.
Flash point interval : not relevant.
Vapour pressure : not relevant.
Density : > 1
Water solubility : Dilutable.
Melting point/melting range : not specified.
Self-ignition temperature : not specified.
Decomposition point/decomposition range : not specified.

9.2. Other information
No data available.

SECTION 10 : STABILITY AND REACTIVITY

10.1. Reactivity
No data available.

10.2. Chemical stability
This mixture is stable under the recommended handling and storage conditions in section 7.

10.3. Possibility of hazardous reactions
No data available.

10.4. Conditions to avoid

10.5. Incompatible materials

10.6. Hazardous decomposition products
The thermal decomposition may release/form :
- carbon monoxide (CO)
- carbon dioxide (CO2)

SECTION 11 : TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects
May cause an allergic reaction by skin contact.

11.1.1. Substances
No toxicological data available for the substances.

11.1.2. Mixture
No toxicological data available for the mixture.

Monograph(s) from the IARC (International Agency for Research on Cancer) :
CAS 64-17-5 : IARC Group 1 : The agent is carcinogenic to humans.
SECTION 12 : ECOLOGICAL INFORMATION

Harmful to aquatic life with long lasting effects.

The product must not be allowed to run into drains or waterways.

12.1. Toxicity

12.1.1. Substances

No aquatic toxicity data available for the substances.

12.1.2. Mixtures

No aquatic toxicity data available for the mixture.

12.2. Persistence and degradability

No data available.

12.3. Bioaccumulative potential

No data available.

12.4. Mobility in soil

No data available.

12.5. Results of PBT and vPvB assessment

No data available.

12.6. Other adverse effects

No data available.

SECTION 13 : DISPOSAL CONSIDERATIONS

Proper waste management of the mixture and/or its container must be determined in accordance with Directive 2008/98/EC.

13.1. Waste treatment methods

Do not pour into drains or waterways.

Waste :

Waste management is carried out without endangering human health, without harming the environment and, in particular without risk to water, air, soil, plants or animals.

Recycle or dispose of waste in compliance with current legislation, preferably via a certified collector or company.

Do not contaminate the ground or water with waste, do not dispose of waste into the environment.

Soiled packaging :

Empty container completely. Keep label(s) on container.

Give to a certified disposal contractor.

SECTION 14 : TRANSPORT INFORMATION

Exempt from transport classification and labelling.


SECTION 15 : REGULATORY INFORMATION

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture


Banned from sale to the general public (EC Regulation No. 1907/2006) - For professional users only.

For professional users only.

- Particular provisions :

No data available.
- Standardised American system for the identification of hazards presented by the product in view of emergency procedures (NFPA 704):

NFPA 704, Labelling: Health=2 Inflammability=1 Instability/Reactivity=1 Specific Risk=None

15.2. Chemical safety assessment

No data available.

SECTION 16 : OTHER INFORMATION

Since the user's working conditions are not known by us, the information supplied on this safety data sheet is based on our current level of knowledge and on national and community regulations.

The mixture must not be used for other uses than those specified in section 1 without having first obtained written handling instructions.

It is at all times the responsibility of the user to take all necessary measures to comply with legal requirements and local regulations.

The information in this safety data sheet must be regarded as a description of the safety requirements relating to the mixture and not as a guarantee of the properties thereof.

Title for H, EUH and R indications mentioned in section 3:

H225 Highly flammable liquid and vapour.
H301 Toxic if swallowed.
H311 Toxic in contact with skin.
H314 Causes severe skin burns and eye damage.
H317 May cause an allergic skin reaction.
H319 Causes serious eye irritation.
H331 Toxic if inhaled.
H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.
H370 Causes damage to organs.
H410 Very toxic to aquatic life with long lasting effects.
H411 Toxic to aquatic life with long lasting effects.
R 11 Highly flammable.
R 23/24/25 Toxic by inhalation, in contact with skin and if swallowed.
R 34 Causes burns.
R 36 Irritating to eyes.
R 39/23/24/25 Toxic: danger of very serious irreversible effects through inhalation, in contact with skin and if swallowed.
R 42/43 May cause sensitization by inhalation and skin contact.
R 43 May cause sensitisation by skin contact.
R 50/53 Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R 51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Abbreviations:

ADR : European agreement concerning the international carriage of dangerous goods by Road.
IMDG : International Maritime Dangerous Goods.
IATA : International Air Transport Association.
ICAO : International Civil Aviation Organisation
RID : Regulations concerning the International carriage of Dangerous goods by rail.
GHS07 : Exclamation mark
SAFETY DATA SHEET
(REACH regulation (EC) n° 1907/2006 - n° 453/2010)

SECTION 1 : IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1. Product identifier
   Product name : TINFIX DESIGN VIOLET ROUGE
   Product code : N143006.029.

1.2. Relevant identified uses of the substance or mixture and uses advised against

1.3. Details of the supplier of the safety data sheet
   Registered company name : Max Sauer SAS.
   Address : 2 rue Lamarck, 22000 Saint Brieuc, France.
   Telephone : 0033(0)296682000. Fax : 0033(0)296770065.
   mail@raphael.fr

1.4. Emergency telephone number : +33 (0)1 45 42 59 59.

SECTION 2 : HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture
   In compliance with EC regulation No. 1272/2008 and its amendments.
   Skin sensitisation, Category 1 (Skin Sens. 1, H317).
   This mixture does not present a physical hazard. Refer to the recommendations regarding the other products present on the site.
   This mixture does not present an environmental hazard. No known or foreseeable environmental damage under standard conditions of use.

   Skin sensitisation (Xi, R 43).
   This mixture does not present a physical hazard. Refer to the recommendations regarding the other products present on the site.
   This mixture does not present an environmental hazard. No known or foreseeable environmental damage under standard conditions of use.

2.2. Label elements
   In compliance with EC regulation No. 1272/2008 and its amendments.
   Hazard pictograms :
   GHS07
   Signal Word : WARNING
   Product identifiers :
   Additional labeling :
   For professional use only.
   H317 May cause an allergic skin reaction.
   Precautionary statements - General :
   P101 If medical advice is needed, have product container or label at hand.
Precautionary statements - Prevention:
P102 Keep out of reach of children.
P103 Read label before use.

Precautionary statements - Prevention:
P261 Avoid breathing dust/fume/gas/mist/vapours/spray.
P272 Contaminated work clothing should not be allowed out of the workplace.
P280 Wear protective gloves/protective clothing/eye protection/face protection.

Precautionary statements - Response:
P302 + P352 IF ON SKIN: Wash with plenty of soap and water.
P321 Specific treatment (see ... on this label).
P333 + P313 If skin irritation or rash occurs: Get medical advice/attention.
P363 Wash contaminated clothing before reuse.

Precautionary statements - Disposal:
P501 Dispose of contents/container to ...


Hazard symbols:
Irritant

Contains:

Risk phrase:
R 43 May cause sensitisation by skin contact.

Safety phrase:
S 2 Keep out of the reach of children.
S 24 Avoid contact with skin.
S 37 Wear suitable gloves.
S 46 If swallowed, seek medical advice immediately and show this container or label.
S 13 Keep away from food, drink and animal feedingstuffs.


2.3. Other hazards
No data available.

SECTION 3 : COMPOSITION/INFORMATION ON INGREDIENTS

3.1. Substances
No substances fulfil the criteria set forth in annexe II section A of the REACH regulation (EC) n° 1907/2006.

3.2. Mixtures

<table>
<thead>
<tr>
<th>Composition</th>
<th>Name</th>
<th>Classification</th>
<th>%</th>
</tr>
</thead>
<tbody>
<tr>
<td>INDEX: 603-096-00-8 CAS: 112-34-5 EC: 203-961-6</td>
<td>2-(2-BUTOXYETHOXY)ETHANOL</td>
<td>GHS07, Wng Xi H:319 R: 36</td>
<td>2.5 &lt;= x % &lt; 10</td>
</tr>
<tr>
<td>INDEX: 603-001-00-X CAS: 67-56-1 EC: 200-659-6</td>
<td>METHANOL</td>
<td>GHS02, GHS06, GHS08, Dgr T,F H:225-331-311-301-370 R: 11-23/24/25-39/23/24/25</td>
<td>0 &lt;= x % &lt; 1</td>
</tr>
</tbody>
</table>

- Made under licence of European Label System® MSDS software from InfoDyne - http://www.infodyne.fr -
 SECTION 4 : FIRST AID MEASURES
As a general rule, in case of doubt or if symptoms persist, always call a doctor.
NEVER induce swallowing by an unconscious person.

4.1. Description of first aid measures
In the event of splashes or contact with skin:
Remove contaminated clothing and wash the skin thoroughly with soap and water or a recognised cleaner.
Watch out for any remaining product between skin and clothing, watches, shoes, etc.
In the event of an allergic reaction, seek medical attention.
If the contaminated area is widespread and/or there is damage to the skin, a doctor must be consulted or the patient transferred to hospital.

In the event of swallowing:
Do not give the patient anything orally.
In the event of swallowing, if the quantity is small (no more than one mouthful), rinse the mouth with water and consult a doctor.
Seek medical attention immediately, showing the label.

4.2. Most important symptoms and effects, both acute and delayed
No data available.

4.3. Indication of any immediate medical attention and special treatment needed
No data available.

 SECTION 5 : FIREFIGHTING MEASURES
Non-flammable.

5.1. Extinguishing media

5.2. Special hazards arising from the substance or mixture
A fire will often produce a thick black smoke. Exposure to decomposition products may be hazardous to health.
Do not breathe in smoke.
In the event of a fire, the following may be formed:
- carbon monoxide (CO)
- carbon dioxide (CO2)

5.3. Advice for firefighters
No data available.

 SECTION 6 : ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures
Consult the safety measures listed under headings 7 and 8.

For non fire-fighters
Avoid any contact with the skin and eyes.

For fire-fighters
Fire-fighters will be equipped with suitable personal protective equipment (See section 8).

6.2. Environmental precautions
Contain and control the leaks or spills with non-combustible absorbent materials such as sand, earth, vermiculite, diatomaceous earth in drums for waste disposal.
Prevent any material from entering drains or waterways.
6.3. Methods and material for containment and cleaning up
Clean preferably with a detergent, do not use solvents.

6.4. Reference to other sections
No data available.

SECTION 7 : HANDLING AND STORAGE
Requirements relating to storage premises apply to all facilities where the mixture is handled.
Individuals with a history of skin sensitisation should not, under any circumstance, handle this mixture.

7.1. Precautions for safe handling
Always wash hands after handling.
Remove and wash contaminated clothing before re-using.

Fire prevention:
Prevent access by unauthorised personnel.

Recommended equipment and procedures:
For personal protection, see section 8.
Observe precautions stated on label and also industrial safety regulations.

Prohibited equipment and procedures:
No smoking, eating or drinking in areas where the mixture is used.

7.2. Conditions for safe storage, including any incompatibilities
No data available.

Storage
Keep out of reach of children.

Packaging
Always keep in packaging made of an identical material to the original.

7.3. Specific end use(s)
No data available.

SECTION 8 : EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters
Occupational exposure limits:
<table>
<thead>
<tr>
<th>CAS</th>
<th>VME-mg/m3</th>
<th>VME-ppm</th>
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</tr>
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<td>200</td>
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- ACGIH TLV (American Conference of Governmental Industrial Hygienists, Threshold Limit Values, 2010):
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<th>STEL :</th>
<th>Ceiling :</th>
<th>Definition :</th>
<th>Criteria :</th>
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<td>250 ppm</td>
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- Germany - AGW (BAuA - TRGS 900, 21/06/2010):
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<tr>
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- France (INRS - ED984 :2008):
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<td>250 ppm</td>
<td>-</td>
<td>-</td>
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<td></td>
</tr>
</tbody>
</table>
8.2. Exposure controls

Personal protection measures, such as personal protective equipment

Pictogram(s) indicating the obligation of wearing personal protective equipment (PPE):

Use personal protective equipment that is clean and has been properly maintained. Store personal protective equipment in a clean place, away from the work area. Never eat, drink or smoke during use. Remove and wash contaminated clothing before re-using. Ensure that there is adequate ventilation, especially in confined areas.

- Eye / face protection
  Avoid contact with eyes.
  Use eye protectors designed to protect against liquid splashes
  Before handling, wear safety goggles in accordance with standard EN166.

- Hand protection
  Wear suitable protective gloves in the event of prolonged or repeated skin contact.
  Use suitable protective gloves that are resistant to chemical agents in accordance with standard EN374.
  Gloves must be selected according to the application and duration of use at the workstation.
  Protective gloves need to be selected according to their suitability for the workstation in question: other chemical products that may be handled, necessary physical protections (cutting, pricking, heat protection), level of dexterity required.
  Type of gloves recommended:
    - Natural latex
    - Impervious gloves in accordance with standard EN374

- Body protection
  Avoid skin contact.
  Wear suitable protective clothing.
  Suitable type of protective clothing:
  In the event of substantial spatter, wear liquid-tight protective clothing against chemical risks (type 3) in accordance with EN14605 to prevent skin contact.
  In the event of a risk of splashing, wear protective clothing against chemical risks (type 6) in accordance with EN13034 to prevent skin contact.
  Work clothing worn by personnel shall be laundered regularly.
  After contact with the product, all parts of the body that have been soiled must be washed.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

General information:
  Physical state: viscous liquid.

Important health, safety and environmental information
  pH: Not stated.
  Boiling point/boiling range: Slightly basic.
  Flash point interval: not specified.
  Vapour pressure: not relevant.
  Density: > 1
  Water solubility: Dilutable.
  Melting point/melting range: not specified.
  Self-ignition temperature: not specified.
Decomposition point/decomposition range: not specified.

9.2. Other information
No data available.

SECTION 10: STABILITY AND REACTIVITY
10.1. Reactivity
No data available.
10.2. Chemical stability
This mixture is stable under the recommended handling and storage conditions in section 7.
10.3. Possibility of hazardous reactions
No data available.
10.4. Conditions to avoid
10.5. Incompatible materials
10.6. Hazardous decomposition products
The thermal decomposition may release/form:
- carbon monoxide (CO)
- carbon dioxide (CO2)

SECTION 11: TOXICOLOGICAL INFORMATION
11.1. Information on toxicological effects
May cause an allergic reaction by skin contact.
11.1.1. Substances
No toxicological data available for the substances.
11.1.2. Mixture
No toxicological data available for the mixture.
Monograph(s) from the IARC (International Agency for Research on Cancer):
CAS 64-17-5: IARC Group 1: The agent is carcinogenic to humans.

SECTION 12: ECOLOGICAL INFORMATION
12.1. Toxicity
12.1.1. Substances
No aquatic toxicity data available for the substances.
12.1.2. Mixtures
No aquatic toxicity data available for the mixture.
12.2. Persistence and degradability
No data available.
12.3. Bioaccumulative potential
No data available.
12.4. Mobility in soil
No data available.
12.5. Results of PBT and vPvB assessment
No data available.
12.6. Other adverse effects
No data available.
SECTION 13 : DISPOSAL CONSIDERATIONS
Proper waste management of the mixture and/or its container must be determined in accordance with Directive 2008/98/EC.

13.1. Waste treatment methods
Do not pour into drains or waterways.

Waste:
Waste management is carried out without endangering human health, without harming the environment and, in particular without risk to water, air, soil, plants or animals.
Recycle or dispose of waste in compliance with current legislation, preferably via a certified collector or company.
Do not contaminate the ground or water with waste, do not dispose of waste into the environment.

Soiled packaging:
Empty container completely. Keep label(s) on container.
Give to a certified disposal contractor.

SECTION 14 : TRANSPORT INFORMATION
Exempt from transport classification and labelling.

SECTION 15 : REGULATORY INFORMATION
15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture
Banned from sale to the general public (EC Regulation No. 1907/2006) - For professional users only.
For professional users only.
- Particular provisions:
No data available.
- Standardised American system for the identification of hazards presented by the product in view of emergency procedures (NFPA 704):
NFPA 704, Labelling: Health=2 Inflammability=1 Instability/Reactivity=1 Specific Risk=none

15.2. Chemical safety assessment
No data available.

SECTION 16 : OTHER INFORMATION
Since the user's working conditions are not known by us, the information supplied on this safety data sheet is based on our current level of knowledge and on national and community regulations.
The mixture must not be used for other uses than those specified in section 1 without having first obtained written handling instructions.
It is at all times the responsibility of the user to take all necessary measures to comply with legal requirements and local regulations.
The information in this safety data sheet must be regarded as a description of the safety requirements relating to the mixture and not as a guarantee of the properties thereof.

Title for H, EUH and R indications mentioned in section 3:
H225 Highly flammable liquid and vapour.
H301 Toxic if swallowed.
H311 Toxic in contact with skin.
H314 Causes severe skin burns and eye damage.
H317 May cause an allergic skin reaction.
H319 Causes serious eye irritation.
H331 Toxic if inhaled.
H370 Causes damage to organs.
H410 Very toxic to aquatic life with long lasting effects.
R 11 Highly flammable.
R 23/24/25 Toxic by inhalation, in contact with skin and if swallowed.
R 34 Causes burns.
R 36 Irritating to eyes.
R 39/23/24/25 Toxic: danger of very serious irreversible effects through inhalation, in contact with skin and if swallowed.
R 43 May cause sensitisation by skin contact.
R 50/53 Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Abbreviations:
ADR: European agreement concerning the international carriage of dangerous goods by Road.
IMDG: International Maritime Dangerous Goods.
IATA: International Air Transport Association.
ICAO: International Civil Aviation Organisation.
RID: Regulations concerning the International carriage of Dangerous goods by rail.
GHS07: Exclamation mark
SAFETY DATA SHEET
(REACH regulation (EC) n° 1907/2006 - n° 453/2010)

SECTION 1 : IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1. Product identifier

Product name : TINFIX DESIGN GARANCE
Product code : N143006.031.

1.2. Relevant identified uses of the substance or mixture and uses advised against

1.3. Details of the supplier of the safety data sheet

Registered company name : Max Sauer SAS.
Address : 2 rue Lamarck.22000.Saint Brieuc.France.
Telephone : 0033(0)296682000.     Fax : 0033(0)296770065.
mail@raphael.fr

1.4. Emergency telephone number : +33 (0)1 45 42 59 59.


SECTION 2 : HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

In compliance with EC regulation No. 1272/2008 and its amendments.

Skin sensitisation, Category 1 (Skin Sens. 1, H317).
This mixture does not present a physical hazard. Refer to the recommendations regarding the other products present on the site.
This mixture does not present an environmental hazard. No known or foreseeable environmental damage under standard conditions of use.


Skin sensitisation (Xi, R 43).
This mixture does not present a physical hazard. Refer to the recommendations regarding the other products present on the site.
This mixture does not present an environmental hazard. No known or foreseeable environmental damage under standard conditions of use.

2.2. Label elements

In compliance with EC regulation No. 1272/2008 and its amendments.

Hazard pictograms :

GHS07
Signal Word : WARNING
Product identifiers :

Additional labeling : For professional use only.

Hazard statements :
H317 May cause an allergic skin reaction.

Precautionary statements - General :
P101 If medical advice is needed, have product container or label at hand.

Hazard symbols:

Irritant

Contains:


Risk phrase:
R 43 May cause sensitisation by skin contact.

Safety phrase:
S 2 Keep out of the reach of children.
S 24 Avoid contact with skin.
S 37 Wear suitable gloves.
S 46 If swallowed, seek medical advice immediately and show this container or label.
S 13 Keep away from food, drink and animal feedingstuffs.


2.3. Other hazards
No data available.

SECTION 3 : COMPOSITION/INFORMATION ON INGREDIENTS

3.1. Substances
No substances fulfil the criteria set forth in annexe II section A of the REACH regulation (EC) n° 1907/2006.

3.2. Mixtures

Composition:

<table>
<thead>
<tr>
<th>Identification</th>
<th>Name</th>
<th>Classification</th>
<th>%</th>
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</thead>
<tbody>
<tr>
<td>INDEX: 603-096-00-8 CAS: 112-34-5 EC: 203-961-6</td>
<td>2-(2-BUTOXYETHOXY)ETHANOL</td>
<td>GHS07, Wng Xi H:319 R: 36</td>
<td>1 &lt;= x % &lt; 2.5</td>
</tr>
<tr>
<td>CAS: 84812-63-5 EC: 284-206-8</td>
<td>COLRANT À BASE DE COMPLEXE MÉTALLIFIÈRE</td>
<td>H:412 R: 52/53</td>
<td>1 &lt;= x % &lt; 2.5</td>
</tr>
</tbody>
</table>
SECTION 4 : FIRST AID MEASURES

As a general rule, in case of doubt or if symptoms persist, always call a doctor.

NEVER induce swallowing by an unconscious person.

4.1. Description of first aid measures

In the event of splashes or contact with skin :

Remove contaminated clothing and wash the skin thoroughly with soap and water or a recognised cleaner.
Watch out for any remaining product between skin and clothing, watches, shoes, etc.
In the event of an allergic reaction, seek medical attention.
If the contaminated area is widespread and/or there is damage to the skin, a doctor must be consulted or the patient transferred to hospital.

In the event of swallowing :

Do not give the patient anything orally.
In the event of swallowing, if the quantity is small (no more than one mouthful), rinse the mouth with water and consult a doctor.
Seek medical attention immediately, showing the label.

4.2. Most important symptoms and effects, both acute and delayed

No data available.

4.3. Indication of any immediate medical attention and special treatment needed

No data available.

SECTION 5 : FIREFIGHTING MEASURES

Non-flammable.

5.1. Extinguishing media

5.2. Special hazards arising from the substance or mixture

A fire will often produce a thick black smoke. Exposure to decomposition products may be hazardous to health.
Do not breathe in smoke.
In the event of a fire, the following may be formed :
- carbon monoxide (CO)
- carbon dioxide (CO2)

5.3. Advice for firefighters

No data available.

SECTION 6 : ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

Consult the safety measures listed under headings 7 and 8.

For non fire-fighters

Avoid any contact with the skin and eyes.

For fire-fighters

Fire-fighters will be equipped with suitable personal protective equipment (See section 8).
6.2. Environmental precautions

Contain and control the leaks or spills with non-combustible absorbent materials such as sand, earth, vermiculite, diatomaceous earth in drums for waste disposal.

Prevent any material from entering drains or waterways.

6.3. Methods and material for containment and cleaning up

Clean preferably with a detergent, do not use solvents.

6.4. Reference to other sections

No data available.

SECTION 7 : HANDLING AND STORAGE

Requirements relating to storage premises apply to all facilities where the mixture is handled.

Individuals with a history of skin sensitisation should not, under any circumstance, handle this mixture.

7.1. Precautions for safe handling

Always wash hands after handling.

Remove and wash contaminated clothing before re-using.

Fire prevention:

Prevent access by unauthorised personnel.

Recommended equipment and procedures:

For personal protection, see section 8.

Observe precautions stated on label and also industrial safety regulations.

Prohibited equipment and procedures:

No smoking, eating or drinking in areas where the mixture is used.

7.2. Conditions for safe storage, including any incompatibilities

No data available.

Storage

Keep out of reach of children.

Packaging

Always keep in packaging made of an identical material to the original.

7.3. Specific end use(s)

No data available.

SECTION 8 : EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

Occupational exposure limits:


<table>
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<tr>
<th>CAS</th>
<th>VME-mg/m³</th>
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<th>VLE-mg/m³</th>
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- ACGIH TLV (American Conference of Governmental Industrial Hygienists, Threshold Limit Values, 2010):

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<th>CAS</th>
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- Germany - AGW (BAuA - TRGS 900, 21/06/2010):

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</tr>
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<td>200 ml/m³</td>
<td>270 mg/m³</td>
<td>DFG, EU, H, Y</td>
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- France (INRS - ED984:2008):

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<th>VME-mg/m³</th>
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<td>67.5</td>
<td>15</td>
<td>101.2</td>
<td>-</td>
<td>-</td>
</tr>
</tbody>
</table>

8.2. Exposure controls

Personal protection measures, such as personal protective equipment

Pictogram(s) indicating the obligation of wearing personal protective equipment (PPE):

Use personal protective equipment that is clean and has been properly maintained. Store personal protective equipment in a clean place, away from the work area. Never eat, drink or smoke during use. Remove and wash contaminated clothing before re-using. Ensure that there is adequate ventilation, especially in confined areas.

- Eye / face protection
  Avoid contact with eyes.
  Use eye protectors designed to protect against liquid splashes
  Before handling, wear safety goggles in accordance with standard EN166.

- Hand protection
  Wear suitable protective gloves in the event of prolonged or repeated skin contact.
  Use suitable protective gloves that are resistant to chemical agents in accordance with standard EN374.
  Gloves must be selected according to the application and duration of use at the workstation.
  Protective gloves need to be selected according to their suitability for the workstation in question: other chemical products that may be handled, necessary physical protections (cutting, pricking, heat protection), level of dexterity required.
  Type of gloves recommended:
  - Natural latex
  Recommended properties:
  - Impervious gloves in accordance with standard EN374

- Body protection
  Avoid skin contact.
  Wear suitable protective clothing.
  Suitable type of protective clothing:
  In the event of substantial spatter, wear liquid-tight protective clothing against chemical risks (type 3) in accordance with EN14605 to prevent skin contact.
  In the event of a risk of splashing, wear protective clothing against chemical risks (type 6) in accordance with EN13034 to prevent skin contact.
  Work clothing worn by personnel shall be laundered regularly.
  After contact with the product, all parts of the body that have been soiled must be washed.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

General information:
Physical state: viscous liquid.

Important health, safety and environmental information
pH: Not stated.
slightly basic.

Boiling point/boiling range: not specified.
Flash point interval: not relevant.
Vapour pressure: not relevant.
Density: > 1
Water solubility: Dilutable.
Melting point/melting range: not specified.
Self-ignition temperature: not specified.
Decomposition point/decomposition range: not specified.

9.2. Other information
No data available.

SECTION 10: STABILITY AND REACTIVITY
10.1. Reactivity
No data available.
10.2. Chemical stability
This mixture is stable under the recommended handling and storage conditions in section 7.
10.3. Possibility of hazardous reactions
No data available.
10.4. Conditions to avoid
10.5. Incompatible materials
10.6. Hazardous decomposition products
The thermal decomposition may release/form:
- carbon monoxide (CO)
- carbon dioxide (CO2)

SECTION 11: TOXICOLOGICAL INFORMATION
11.1. Information on toxicological effects
May cause an allergic reaction by skin contact.
11.1.1. Substances
No toxicological data available for the substances.
11.1.2. Mixture
No toxicological data available for the mixture.
Monograph(s) from the IARC (International Agency for Research on Cancer):
CAS 64-17-5: IARC Group 1: The agent is carcinogenic to humans.

SECTION 12: ECOLOGICAL INFORMATION
12.1. Toxicity
12.1.1. Substances
No aquatic toxicity data available for the substances.
12.1.2. Mixtures
No aquatic toxicity data available for the mixture.
12.2. Persistence and degradability
No data available.
12.3. Bioaccumulative potential
No data available.
12.4. Mobility in soil
No data available.
12.5. Results of PBT and vPvB assessment
No data available.
12.6. Other adverse effects
No data available.

SECTION 13: DISPOSAL CONSIDERATIONS
Proper waste management of the mixture and/or its container must be determined in accordance with Directive 2008/98/EC.

13.1. Waste treatment methods
Do not pour into drains or waterways.

Waste:
Waste management is carried out without endangering human health, without harming the environment and, in particular without risk to water, air, soil, plants or animals.
Recycle or dispose of waste in compliance with current legislation, preferably via a certified collector or company.
Do not contaminate the ground or water with waste, do not dispose of waste into the environment.

Soiled packaging:
Empty container completely. Keep label(s) on container.
Give to a certified disposal contractor.

SECTION 14: TRANSPORT INFORMATION
Exempt from transport classification and labelling.

SECTION 15: REGULATORY INFORMATION
15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture
Banned from sale to the general public (EC Regulation No. 1907/2006) - For professional users only.
For professional users only.

- Particular provisions:
No data available.

- Standardised American system for the identification of hazards presented by the product in view of emergency procedures (NFPA 704):
NFPA 704, Labelling: Health=2 Inflammability=1 Instability/Reactivity=1 Specific Risk=none

15.2. Chemical safety assessment
No data available.

SECTION 16: OTHER INFORMATION
Since the user's working conditions are not known by us, the information supplied on this safety data sheet is based on our current level of knowledge and on national and community regulations.
The mixture must not be used for other uses than those specified in section 1 without having first obtained written handling instructions.
It is at all times the responsibility of the user to take all necessary measures to comply with legal requirements and local regulations.
The information in this safety data sheet must be regarded as a description of the safety requirements relating to the mixture and not as a guarantee of the properties thereof.
Title for H, EUH and R indications mentioned in section 3:

H225 Highly flammable liquid and vapour.
H301 Toxic if swallowed.
H311 Toxic in contact with skin.
H314 Causes severe skin burns and eye damage.
H317 May cause an allergic skin reaction.
H319 Causes serious eye irritation.
H331 Toxic if inhaled.
H370 Causes damage to organs.
H410 Very toxic to aquatic life with long lasting effects.
H412 Harmful to aquatic life with long lasting effects.
R 11 Highly flammable.
R 23/24/25 Toxic by inhalation, in contact with skin and if swallowed.
R 34 Causes burns.
R 36 Irritating to eyes.
R 39/23/24/25 Toxic; danger of very serious irreversible effects through inhalation, in contact with skin and if swallowed.
R 43 May cause sensitisation by skin contact.
R 50/53 Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R 52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Abbreviations:
ADR : European agreement concerning the international carriage of dangerous goods by Road.
IMDG : International Maritime Dangerous Goods.
IATA : International Air Transport Association.
ICAO : International Civil Aviation Organisation.
RID : Regulations concerning the International carriage of Dangerous goods by rail.
GHS07 : Exclamation mark.
SAFETY DATA SHEET
(REACH regulation (EC) n° 1907/2006 - n° 453/2010)

SECTION 1 : IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1. Product identifier
Product name : TINFIX DESIGN ROSE DE PARME
Product code : N143006.034.

1.2. Relevant identified uses of the substance or mixture and uses advised against

1.3. Details of the supplier of the safety data sheet
Registered company name : Max Sauer SAS.
Address : 2 rue Lamarck.22000.Saint Brieuc.France.
Telephone : 0033(0)296682000.     Fax : 0033(0)296770065.
mail@raphael.fr

1.4. Emergency telephone number : +33 (0)1 45 42 59 59.

SECTION 2 : HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture
In compliance with EC regulation No. 1272/2008 and its amendments.
Skin sensitisation, Category 1 (Skin Sens. 1, H317).
This mixture does not present a physical hazard. Refer to the recommendations regarding the other products present on the site.
This mixture does not present an environmental hazard. No known or foreseeable environmental damage under standard conditions of use.

Skin sensitisation (Xi, R 43).
This mixture does not present a physical hazard. Refer to the recommendations regarding the other products present on the site.
This mixture does not present an environmental hazard. No known or foreseeable environmental damage under standard conditions of use.

2.2. Label elements
In compliance with EC regulation No. 1272/2008 and its amendments.
Hazard pictograms :

GHS07
Signal Word : WARNING
Product identifiers :
Additional labeling : For professional use only.

Hazard statements :
H317 May cause an allergic skin reaction.
Precautionary statements - General :
P101 If medical advice is needed, have product container or label at hand.
Precautionary statements - Prevention :
P261 Avoid breathing dust/fume/gas/mist/vapours/spray.
P272 Contaminated work clothing should not be allowed out of the workplace.
P280 Wear protective gloves/protective clothing/eye protection/face protection.

Precautionary statements - Response :
P302 + P352 IF ON SKIN: Wash with plenty of soap and water.
P321 Specific treatment (see ... on this label).
P333 + P313 If skin irritation or rash occurs: Get medical advice/attention.
P363 Wash contaminated clothing before reuse.

Precautionary statements - Disposal :
P501 Dispose of contents/container to ...


Hazard symbols :

Contains :
613-167-00-5 MIXTURE OF: 5-CHLORO-2-METHYL-4-ISOTHIAZOLIN-3-ONE [EC NO. 247-500-7] AND
2-METHYL-2HISOTHIAZOL-3-ONE [EC NO. 220-239-6] (3:1)

Risk phrase :
R 43 May cause sensitisation by skin contact.

Safety phrase :
S 2 Keep out of the reach of children.
S 24 Avoid contact with skin.
S 37 Wear suitable gloves.
S 46 If swallowed, seek medical advice immediately and show this container or label.
S 13 Keep away from food, drink and animal feedingstuffs.


2.3. Other hazards
No data available.

SECTION 3 : COMPOSITION/INFORMATION ON INGREDIENTS

3.1. Substances
No substances fulfil the criteria set forth in annexe II section A of the REACH regulation (EC) n° 1907/2006.

3.2. Mixtures
Composition :

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<td>0 &lt;= x % &lt; 1</td>
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<td>EC: 276-127-2</td>
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</tbody>
</table>
SECTION 4 : FIRST AID MEASURES

As a general rule, in case of doubt or if symptoms persist, always call a doctor.

NEVER induce swallowing by an unconscious person.

4.1. Description of first aid measures

In the event of splashes or contact with skin:

- Remove contaminated clothing and wash the skin thoroughly with soap and water or a recognised cleaner.
- Watch out for any remaining product between skin and clothing, watches, shoes, etc.
- In the event of an allergic reaction, seek medical attention.
- If the contaminated area is widespread and/or there is damage to the skin, a doctor must be consulted or the patient transferred to hospital.

In the event of swallowing:

- Do not give the patient anything orally.
- In the event of swallowing, if the quantity is small (no more than one mouthful), rinse the mouth with water and consult a doctor.
- Seek medical attention immediately, showing the label.

4.2. Most important symptoms and effects, both acute and delayed

No data available.

4.3. Indication of any immediate medical attention and special treatment needed

No data available.

SECTION 5 : FIREFIGHTING MEASURES

Non-flammable.

5.1. Extinguishing media

5.2. Special hazards arising from the substance or mixture

- A fire will often produce a thick black smoke. Exposure to decomposition products may be hazardous to health.
- Do not breathe in smoke.
- In the event of a fire, the following may be formed:
  - carbon monoxide (CO)
  - carbon dioxide (CO2)

5.3. Advice for firefighters

No data available.

SECTION 6 : ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

Consult the safety measures listed under headings 7 and 8.

For non-firefighters

- Avoid any contact with the skin and eyes.

For fire-fighters

- Fire-fighters will be equipped with suitable personal protective equipment (See section 8).

6.2. Environmental precautions

- Contain and control the leaks or spills with non-combustible absorbent materials such as sand, earth, vermiculite, diatomaceous earth in drums for waste disposal.
- Prevent any material from entering drains or waterways.
6.3. Methods and material for containment and cleaning up
Clean preferably with a detergent, do not use solvents.

6.4. Reference to other sections
No data available.

SECTION 7 : HANDLING AND STORAGE
Requirements relating to storage premises apply to all facilities where the mixture is handled.
Individuals with a history of skin sensitisation should not, under any circumstance, handle this mixture.

7.1. Precautions for safe handling
Always wash hands after handling.
Remove and wash contaminated clothing before re-using.

Fire prevention:
Prevent access by unauthorised personnel.

Recommended equipment and procedures:
For personal protection, see section 8.
Observe precautions stated on label and also industrial safety regulations.

Prohibited equipment and procedures:
No smoking, eating or drinking in areas where the mixture is used.

7.2. Conditions for safe storage, including any incompatibilities
No data available.

7.3. Specific end use(s)
No data available.

SECTION 8 : EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

Occupational exposure limits:
  CAS  VME-mg/m³  VME-ppm :  VLE-mg/m³ :  VLE-ppm :  Notes :
  67-56-1  260  200 - - Peau
- ACGIH TLV (American Conference of Governmental Industrial Hygienists, Threshold Limit Values, 2010):
  CAS  TWA :  STEL :  Ceiling :  Definition :  Criteria :
  67-56-1  200 ppm  250 ppm - -
- Germany - AGW (BAuA - TRGS 900, 21/06/2010):
  CAS  VME :  VME :  Excess :  Notes :
  67-56-1  200 ml/m³  270 mg/m³  4(II)  DFG, EU, H, Y
- France (INRS - ED984 :2008):
  CAS  VME-ppm :  VME-mg/m³ :  VLE-ppm :  VLE-mg/m³ :  Notes :  TMP No :
  67-56-1  200  260  1000  1300  (12)  84
  CAS  TWA :  STEL :  Ceiling :  Definition :  Criteria :
  67-56-1  200 ppm  250 ppm - -

8.2. Exposure controls
Personal protection measures, such as personal protective equipment
Pictogram(s) indicating the obligation of wearing personal protective equipment (PPE):

Use personal protective equipment that is clean and has been properly maintained. Store personal protective equipment in a clean place, away from the work area. Never eat, drink or smoke during use. Remove and wash contaminated clothing before re-using. Ensure that there is adequate ventilation, especially in confined areas.

- **Eye / face protection**
  Avoid contact with eyes.
  Use eye protectors designed to protect against liquid splashes
  Before handling, wear safety goggles in accordance with standard EN166.

- **Hand protection**
  Wear suitable protective gloves in the event of prolonged or repeated skin contact.
  Use suitable protective gloves that are resistant to chemical agents in accordance with standard EN374.
  Gloves must be selected according to the application and duration of use at the workstation.
  Protective gloves need to be selected according to their suitability for the workstation in question: other chemical products that may be handled, necessary physical protections (cutting, pricking, heat protection), level of dexterity required.
  Type of gloves recommended:
  - Natural latex
  - Impervious gloves in accordance with standard EN374

- **Body protection**
  Avoid skin contact.
  Wear suitable protective clothing.
  Suitable type of protective clothing:
  In the event of substantial spatter, wear liquid-tight protective clothing against chemical risks (type 3) in accordance with EN14605 to prevent skin contact.
  In the event of a risk of splashing, wear protective clothing against chemical risks (type 6) in accordance with EN13034 to prevent skin contact.
  Work clothing worn by personnel shall be laundered regularly.
  After contact with the product, all parts of the body that have been soiled must be washed.

### SECTION 9 : PHYSICAL AND CHEMICAL PROPERTIES

#### 9.1. Information on basic physical and chemical properties

**General information:**

- Physical state: viscous liquid.

**Important health, safety and environmental information**

- pH: Not stated.
- Slightly basic.
- Boiling point/boiling range: not specified.
- Not relevant.
- Flash point interval: not relevant.
- Vapour pressure: not relevant.
- Density: > 1
- Water solubility: Dilutable.
- Melting point/melting range: not specified.
- Self-ignition temperature: not specified.
- Decomposition point/decomposition range: not specified.
9.2. Other information
No data available.

SECTION 10 : STABILITY AND REACTIVITY

10.1. Reactivity
No data available.

10.2. Chemical stability
This mixture is stable under the recommended handling and storage conditions in section 7.

10.3. Possibility of hazardous reactions
No data available.

10.4. Conditions to avoid

10.5. Incompatible materials

10.6. Hazardous decomposition products
The thermal decomposition may release/form:
- carbon monoxide (CO)
- carbon dioxide (CO2)

SECTION 11 : TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects
May cause an allergic reaction by skin contact.

11.1.1. Substances
No toxicological data available for the substances.

11.1.2. Mixture
No toxicological data available for the mixture.

Monograph(s) from the IARC (International Agency for Research on Cancer):
CAS 64-17-5 : IARC Group 1 : The agent is carcinogenic to humans.

SECTION 12 : ECOLOGICAL INFORMATION

12.1. Toxicity

12.1.1. Substances
No aquatic toxicity data available for the substances.

12.1.2. Mixtures
No aquatic toxicity data available for the mixture.

12.2. Persistence and degradability
No data available.

12.3. Bioaccumulative potential
No data available.

12.4. Mobility in soil
No data available.

12.5. Results of PBT and vPvB assessment
No data available.

12.6. Other adverse effects
No data available.
SECTION 13: DISPOSAL CONSIDERATIONS

Proper waste management of the mixture and/or its container must be determined in accordance with Directive 2008/98/EC.

13.1. Waste treatment methods

Do not pour into drains or waterways.

Waste:

Waste management is carried out without endangering human health, without harming the environment and, in particular without risk to water, air, soil, plants or animals.

Recycle or dispose of waste in compliance with current legislation, preferably via a certified collector or company.

Do not contaminate the ground or water with waste, do not dispose of waste into the environment.

Soiled packaging:

Empty container completely. Keep label(s) on container.

Give to a certified disposal contractor.

SECTION 14: TRANSPORT INFORMATION

Exempt from transport classification and labelling.


SECTION 15: REGULATORY INFORMATION

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture


Banned from sale to the general public (EC Regulation No. 1907/2006) - For professional users only.

For professional users only.

- Particular provisions:

No data available.

- Standardised American system for the identification of hazards presented by the product in view of emergency procedures (NFPA 704):

NFPA 704, Labelling: Health=2 Inflammability=1 Instability/Reactivity=1 Specific Risk=none

15.2. Chemical safety assessment

No data available.

SECTION 16: OTHER INFORMATION

Since the user's working conditions are not known by us, the information supplied on this safety data sheet is based on our current level of knowledge and on national and community regulations.

The mixture must not be used for other uses than those specified in section 1 without having first obtained written handling instructions.

It is at all times the responsibility of the user to take all necessary measures to comply with legal requirements and local regulations.

The information in this safety data sheet must be regarded as a description of the safety requirements relating to the mixture and not as a guarantee of the properties thereof.

Title for H, EUH and R indications mentioned in section 3:

H225 Highly flammable liquid and vapour.

H301 Toxic if swallowed.
Name: TINFIX DESIGN ROSE DE PARMÉ - N143006.034  Company: Max Sauer SAS

H311 Toxic in contact with skin.
H314 Causes severe skin burns and eye damage.
H317 May cause an allergic skin reaction.
H331 Toxic if inhaled.
H370 Causes damage to organs.
H410 Very toxic to aquatic life with long lasting effects.
R 11 Highly flammable.
R 23/24/25 Toxic by inhalation, in contact with skin and if swallowed.
R 34 Causes burns.
R 39/23/24/25 Toxic: danger of very serious irreversible effects through inhalation, in contact with skin and if swallowed.
R 43 May cause sensitisation by skin contact.
R 50/53 Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Abbreviations:
ADR: European agreement concerning the international carriage of dangerous goods by Road.
IMDG: International Maritime Dangerous Goods.
IATA: International Air Transport Association.
ICAO: International Civil Aviation Organisation.
RID: Regulations concerning the International carriage of Dangerous goods by rail.
GHS07: Exclamation mark

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SAFETY DATA SHEET
(REACH regulation (EC) n° 1907/2006 - n° 453/2010)

SECTION 1 : IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1. Product identifier
Product name : TINFIX DESIGN AMARANTE
Product code : N143006.037.

1.2. Relevant identified uses of the substance or mixture and uses advised against

1.3. Details of the supplier of the safety data sheet
Registered company name : Max Sauer SAS.
Address : 2 rue Lamarck.22000.Saint Brieuc.France.
Telephone : 0033(0)296682000. Fax : 0033(0)296770065.
mail@raphael.fr

1.4. Emergency telephone number : +33 (0)1 45 42 59 59.

SECTION 2 : HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture
In compliance with EC regulation No. 1272/2008 and its amendments.
This mixture does not present a physical hazard. Refer to the recommendations regarding the other products present on the site.
This mixture does not present a health hazard.
This mixture does not present an environmental hazard. No known or foreseeable environmental damage under standard conditions of use.
This mixture does not present a physical hazard. Refer to the recommendations regarding the other products present on the site.
This mixture does not present a health hazard.
This mixture does not present an environmental hazard. No known or foreseeable environmental damage under standard conditions of use.

2.2. Label elements
In compliance with EC regulation No. 1272/2008 and its amendments.
No labelling requirements for this mixture.
No labelling requirements for this mixture.

2.3. Other hazards
No data available.

SECTION 3 : COMPOSITION/INFORMATION ON INGREDIENTS

3.1. Substances
No substances fulfil the criteria set forth in annexe II section A of the REACH regulation (EC) n° 1907/2006.

3.2. Mixtures
Composition :
SECTION 4 : FIRST AID MEASURES

As a general rule, in case of doubt or if symptoms persist, always call a doctor.
NEVER induce swallowing by an unconscious person.

4.1. Description of first aid measures

In the event of swallowing :
Seek medical attention, showing the label.

4.2. Most important symptoms and effects, both acute and delayed

No data available.

4.3. Indication of any immediate medical attention and special treatment needed

No data available.

SECTION 5 : FIREFIGHTING MEASURES

Non-flammable.

5.1. Extinguishing media

5.2. Special hazards arising from the substance or mixture

A fire will often produce a thick black smoke. Exposure to decomposition products may be hazardous to health.
Do not breathe in smoke.
In the event of a fire, the following may be formed:
- carbon monoxide (CO)
- carbon dioxide (CO2)

5.3. Advice for firefighters

No data available.

SECTION 6 : ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

Consult the safety measures listed under headings 7 and 8.

For fire-fighters

Fire-fighters will be equipped with suitable personal protective equipment (See section 8).

6.2. Environmental precautions

Contain and control the leaks or spills with non-combustible absorbent materials such as sand, earth, vermiculite, diatomaceous earth in drums for waste disposal.
Prevent any material from entering drains or waterways.

6.3. Methods and material for containment and cleaning up

Clean preferably with a detergent, do not use solvents.

6.4. Reference to other sections

No data available.
SECTION 7 : HANDLING AND STORAGE

Requirements relating to storage premises apply to all facilities where the mixture is handled.

7.1. Precautions for safe handling

Always wash hands after handling.

Fire prevention:

Prevent access by unauthorised personnel.

Recommended equipment and procedures:

For personal protection, see section 8.

Observe precautions stated on label and also industrial safety regulations.

Prohibited equipment and procedures:

No smoking, eating or drinking in areas where the mixture is used.

7.2. Conditions for safe storage, including any incompatibilities

No data available.

Storage

Keep out of reach of children.

Packaging

Always keep in packaging made of an identical material to the original.

7.3. Specific end use(s)

No data available.

SECTION 8 : EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

No data available.

8.2. Exposure controls

Personal protection measures, such as personal protective equipment

Pictogram(s) indicating the obligation of wearing personal protective equipment (PPE):

Use personal protective equipment that is clean and has been properly maintained.

Store personal protective equipment in a clean place, away from the work area.

Never eat, drink or smoke during use. Remove and wash contaminated clothing before re-using. Ensure that there is adequate ventilation, especially in confined areas.

- Eye / face protection

Avoid contact with eyes.

Use eye protectors designed to protect against liquid splashes

Before handling, wear safety goggles in accordance with standard EN166.

- Hand protection

Wear suitable protective gloves in the event of prolonged or repeated skin contact.

Type of gloves recommended:

- Natural latex

- Body protection

Work clothing worn by personnel shall be laundered regularly.

After contact with the product, all parts of the body that have been soiled must be washed.
SECTION 9 : PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

General information:

Physical state: Viscous liquid.

Important health, safety and environmental information:

pH: Not stated.

Boiling point/boiling range: Not specified.

Flash point interval: Not relevant.

Vapour pressure: Not relevant.

Density: > 1

Water solubility: Dilutable.

Melting point/melting range: Not specified.

Self-ignition temperature: Not specified.

Decomposition point/decomposition range: Not specified.

9.2. Other information

No data available.

SECTION 10 : STABILITY AND REACTIVITY

10.1. Reactivity

No data available.

10.2. Chemical stability

This mixture is stable under the recommended handling and storage conditions in section 7.

10.3. Possibility of hazardous reactions

No data available.

10.4. Conditions to avoid

10.5. Incompatible materials

10.6. Hazardous decomposition products

The thermal decomposition may release/form:

- Carbon monoxide (CO)
- Carbon dioxide (CO2)

SECTION 11 : TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects

No data available.

11.1.1. Substances

No toxicological data available for the substances.

11.1.2. Mixture

No toxicological data available for the mixture.

Monograph(s) from the IARC (International Agency for Research on Cancer):

CAS 64-17-5: IARC Group 1: The agent is carcinogenic to humans.
SECTION 12 : ECOLOGICAL INFORMATION

12.1. Toxicity
12.1.1. Substances
No aquatic toxicity data available for the substances.

12.1.2. Mixtures
No aquatic toxicity data available for the mixture.

12.2. Persistence and degradability
No data available.

12.3. Bioaccumulative potential
No data available.

12.4. Mobility in soil
No data available.

12.5. Results of PBT and vPvB assessment
No data available.

12.6. Other adverse effects
No data available.

SECTION 13 : DISPOSAL CONSIDERATIONS

Proper waste management of the mixture and/or its container must be determined in accordance with Directive 2008/98/EC.

13.1. Waste treatment methods
Do not pour into drains or waterways.

Waste :
Waste management is carried out without endangering human health, without harming the environment and, in particular without risk to water, air, soil, plants or animals.
Recycle or dispose of waste in compliance with current legislation, preferably via a certified collector or company.
Do not contaminate the ground or water with waste, do not dispose of waste into the environment.

Soiled packaging :
Empty container completely. Keep label(s) on container.
Give to a certified disposal contractor.

SECTION 14 : TRANSPORT INFORMATION

Exempt from transport classification and labelling.

SECTION 15 : REGULATORY INFORMATION

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture
- Particular provisions :
No data available.
15.2. Chemical safety assessment

No data available.

SECTION 16: OTHER INFORMATION

Since the user's working conditions are not known by us, the information supplied on this safety data sheet is based on our current level of knowledge and on national and community regulations.

The mixture must not be used for other uses than those specified in section 1 without having first obtained written handling instructions.

It is at all times the responsibility of the user to take all necessary measures to comply with legal requirements and local regulations.

The information in this safety data sheet must be regarded as a description of the safety requirements relating to the mixture and not as a guarantee of the properties thereof.

Title for H, EUH and R indications mentioned in section 3:

H319 Causes serious eye irritation.
R36 Irritating to eyes.

Abbreviations:

ADR: European agreement concerning the international carriage of dangerous goods by Road.
IMDG: International Maritime Dangerous Goods.
IATA: International Air Transport Association.
ICAO: International Civil Aviation Organisation.
RID: Regulations concerning the International carriage of Dangerous goods by rail.
SAFETY DATA SHEET
(REACH regulation (EC) n° 1907/2006 - n° 453/2010)

SECTION 1 : IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1. Product identifier
Product name : TINFIX DESIGN VIOLET OPÉRA
Product code : N143006.039.

1.2. Relevant identified uses of the substance or mixture and uses advised against

1.3. Details of the supplier of the safety data sheet
Registered company name : Max Sauer SAS.
Address : 2 rue Lamarck.22000.Saint Brieuc.France.
Telephone : 0033(0)296682000.     Fax : 0033(0)296770065.
mail@raphael.fr

1.4. Emergency telephone number : +33 (0)1 45 42 59 59.

SECTION 2 : HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture
In compliance with EC regulation No. 1272/2008 and its amendments.
Skin sensitisation, Category 1 (Skin Sens. 1, H317).
This mixture does not present a physical hazard. Refer to the recommendations regarding the other products present on the site.
This mixture does not present an environmental hazard. No known or foreseeable environmental damage under standard conditions of use.

Skin sensitisation (Xi, R 43).
This mixture does not present a physical hazard. Refer to the recommendations regarding the other products present on the site.
This mixture does not present an environmental hazard. No known or foreseeable environmental damage under standard conditions of use.

2.2. Label elements
In compliance with EC regulation No. 1272/2008 and its amendments.
Hazard pictograms :

GHS07
Signal Word : WARNING

Product identifiers :

Additional labeling :
For professional use only.

Hazard statements :
H317 May cause an allergic skin reaction.

Precautionary statements - General :
P101 If medical advice is needed, have product container or label at hand.
P102 Keep out of reach of children.
P103 Read label before use.

Precautionary statements - Prevention:
P261 Avoid breathing dust/fume/gas/mist/vapours/spray.
P272 Contaminated work clothing should not be allowed out of the workplace.
P280 Wear protective gloves/protective clothing/eye protection/face protection.

Precautionary statements - Response:
P302 + P352 IF ON SKIN: Wash with plenty of soap and water.
P321 Specific treatment (see ... on this label).
P333 + P313 If skin irritation or rash occurs: Get medical advice/attention.
P363 Wash contaminated clothing before reuse.

Precautionary statements - Disposal:
P501 Dispose of contents/container to ... 


Hazard symbols:

Contains:

Risk phrase:
R 43 May cause sensitisation by skin contact.

Safety phrase:
S 2 Keep out of the reach of children.
S 24 Avoid contact with skin.
S 37 Wear suitable gloves.
S 46 If swallowed, seek medical advice immediately and show this container or label.
S 13 Keep away from food, drink and animal feedingstuffs.


2.3. Other hazards
No data available.

SECTION 3 : COMPOSITION/INFORMATION ON INGREDIENTS

3.1. Substances
No substances fulfil the criteria set forth in annexe II section A of the REACH regulation (EC) n° 1907/2006.

3.2. Mixtures
Composition:

<table>
<thead>
<tr>
<th>Identification</th>
<th>Name</th>
<th>Classification</th>
<th>%</th>
</tr>
</thead>
<tbody>
<tr>
<td>INDEX: 603-096-00-8 CAS: 112-34-5 EC: 203-961-6</td>
<td>2-(2-BUTOXYETHOXY)ETHANOL</td>
<td>GHS07, Wng, Xi, H:319, R:36</td>
<td>2.5 &lt;= x % &lt; 10</td>
</tr>
<tr>
<td>INDEX: 603-001-00-X CAS: 67-56-1 EC: 200-659-6</td>
<td>METHANOL</td>
<td>GHS02, GHS06, GHS08, Dgr T,F H:225-331-311-301-370 R: 11-23/24/25-39/23/24/25</td>
<td>0 &lt;= x % &lt; 1</td>
</tr>
</tbody>
</table>
SECTION 4 : FIRST AID MEASURES

As a general rule, in case of doubt or if symptoms persist, always call a doctor.
NEVER induce swallowing by an unconscious person.

4.1. Description of first aid measures

In the event of splashes or contact with skin:
Remove contaminated clothing and wash the skin thoroughly with soap and water or a recognised cleaner.
Watch out for any remaining product between skin and clothing, watches, shoes, etc.
In the event of an allergic reaction, seek medical attention.
If the contaminated area is widespread and/or there is damage to the skin, a doctor must be consulted or the patient transferred to hospital.

In the event of swallowing:
Do not give the patient anything orally.
In the event of swallowing, if the quantity is small (no more than one mouthful), rinse the mouth with water and consult a doctor.
Seek medical attention immediately, showing the label.

4.2. Most important symptoms and effects, both acute and delayed
No data available.

4.3. Indication of any immediate medical attention and special treatment needed
No data available.

SECTION 5 : FIREFIGHTING MEASURES

Non-flammable.

5.1. Extinguishing media

5.2. Special hazards arising from the substance or mixture
A fire will often produce a thick black smoke. Exposure to decomposition products may be hazardous to health.
Do not breathe in smoke.
In the event of a fire, the following may be formed:
- carbon monoxide (CO)
- carbon dioxide (CO2)

5.3. Advice for firefighters
No data available.

SECTION 6 : ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures
Consult the safety measures listed under headings 7 and 8.

For non fire-fighters
Avoid any contact with the skin and eyes.

For fire-fighters
Fire-fighters will be equipped with suitable personal protective equipment (See section 8).

6.2. Environmental precautions
Contain and control the leaks or spills with non-combustible absorbent materials such as sand, earth, vermiculite, diatomaceous earth in drums for waste disposal.
Prevent any material from entering drains or waterways.
6.3. Methods and material for containment and cleaning up
Clean preferably with a detergent, do not use solvents.

6.4. Reference to other sections
No data available.

SECTION 7: HANDLING AND STORAGE
Requirements relating to storage premises apply to all facilities where the mixture is handled.
Individuals with a history of skin sensitisation should not, under any circumstance, handle this mixture.

7.1. Precautions for safe handling
Always wash hands after handling.
Remove and wash contaminated clothing before re-using.

Fire prevention:
Prevent access by unauthorised personnel.

Recommended equipment and procedures:
For personal protection, see section 8.
Observe precautions stated on label and also industrial safety regulations.

Prohibited equipment and procedures:
No smoking, eating or drinking in areas where the mixture is used.

7.2. Conditions for safe storage, including any incompatibilities
No data available.

Storage
Keep out of reach of children.

Packaging
Always keep in packaging made of an identical material to the original.

7.3. Specific end use(s)
No data available.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters
Occupational exposure limits:
  CAS  VME-mg/m³ : VME-ppm : VLE-mg/m³ : VLE-ppm : Notes :
  112-34-5  67.5  10  101.2  15  -
  67-56-1  260  200  -  -  Peau
- ACGIH TLV (American Conference of Governmental Industrial Hygienists, Threshold Limit Values, 2010):
  CAS  TWA : STEL : Ceiling : Definition : Criteria :
  67-56-1  200 ppm  250 ppm  -  -
- Germany - AGW (BAuA - TRGS 900, 21/06/2010):
  CAS  VME : VME : Excess Notes
  112-34-5  -  100 mg/m³  1(I) DFG, Y
  67-56-1  200 ml/m³  270 mg/m³  4(II) DFG, EU, H, Y
- France (INRS - ED984 :2008):
  CAS  VME-ppm : VME-mg/m³ : VLE-ppm : VLE-mg/m³ : Notes : TMP No :
  112-34-5  10  67.5  15  101.2  -  -
  67-56-1  200  260  1000  1300 (12) 84
  CAS  TWA : STEL : Ceiling : Definition : Criteria :
  67-56-1  200 ppm  250 ppm  -  -
8.2. Exposure controls

Personal protection measures, such as personal protective equipment

Pictogram(s) indicating the obligation of wearing personal protective equipment (PPE):

Use personal protective equipment that is clean and has been properly maintained.
Store personal protective equipment in a clean place, away from the work area.
Never eat, drink or smoke during use. Remove and wash contaminated clothing before re-using. Ensure that there is adequate ventilation, especially in confined areas.

- Eye / face protection

Avoid contact with eyes.
Use eye protectors designed to protect against liquid splashes
Before handling, wear safety goggles in accordance with standard EN166.

- Hand protection

Wear suitable protective gloves in the event of prolonged or repeated skin contact.
Use suitable protective gloves that are resistant to chemical agents in accordance with standard EN374.
Gloves must be selected according to the application and duration of use at the workstation.
Protective gloves need to be selected according to their suitability for the workstation in question: other chemical products that may be handled, necessary physical protections (cutting, pricking, heat protection), level of dexterity required.
Type of gloves recommended:
- Natural latex
Recommennded properties:
- Impervious gloves in accordance with standard EN374

- Body protection

Avoid skin contact.
Wear suitable protective clothing.
Suitable type of protective clothing:
In the event of substantial spatter, wear liquid-tight protective clothing against chemical risks (type 3) in accordance with EN14605 to prevent skin contact.
In the event of a risk of splashing, wear protective clothing against chemical risks (type 6) in accordance with EN13034 to prevent skin contact.
Work clothing worn by personnel shall be laundered regularly.
After contact with the product, all parts of the body that have been soiled must be washed.

SECTION 9 : PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

General information:
Physical state: viscus liquid.

Important health, safety and environmental information
pH: Not stated.
slightly basic.
Boiling point/boiling range: not specified.
Flash point interval: not relevant.
Vapour pressure: not relevant.
Density: > 1
Water solubility: Dilutable.
Melting point/melting range: not specified.
Self-ignition temperature: not specified.
Decomposition point/decomposition range : not specified.

9.2. Other information
No data available.

SECTION 10 : STABILITY AND REACTIVITY

10.1. Reactivity
No data available.

10.2. Chemical stability
This mixture is stable under the recommended handling and storage conditions in section 7.

10.3. Possibility of hazardous reactions
No data available.

10.4. Conditions to avoid

10.5. Incompatible materials

10.6. Hazardous decomposition products
The thermal decomposition may release/form:
- carbon monoxide (CO)
- carbon dioxide (CO2)

SECTION 11 : TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects
May cause an allergic reaction by skin contact.

11.1.1. Substances
No toxicological data available for the substances.

11.1.2. Mixture
No toxicological data available for the mixture.

Monograph(s) from the IARC (International Agency for Research on Cancer) :
CAS 64-17-5 : IARC Group 1 : The agent is carcinogenic to humans.

SECTION 12 : ECOLOGICAL INFORMATION

12.1. Toxicity

12.1.1. Substances
No aquatic toxicity data available for the substances.

12.1.2. Mixtures
No aquatic toxicity data available for the mixture.

12.2. Persistence and degradability
No data available.

12.3. Bioaccumulative potential
No data available.

12.4. Mobility in soil
No data available.

12.5. Results of PBT and vPvB assessment
No data available.

12.6. Other adverse effects
No data available.
SECTION 13 : DISPOSAL CONSIDERATIONS

Proper waste management of the mixture and/or its container must be determined in accordance with Directive 2008/98/EC.

13.1. Waste treatment methods

Do not pour into drains or waterways.

Waste:

Waste management is carried out without endangering human health, without harming the environment and, in particular without risk to water, air, soil, plants or animals.

Recycle or dispose of waste in compliance with current legislation, preferably via a certified collector or company.

Do not contaminate the ground or water with waste, do not dispose of waste into the environment.

Soiled packaging:

Empty container completely. Keep label(s) on container.

Give to a certified disposal contractor.

SECTION 14 : TRANSPORT INFORMATION

Exempt from transport classification and labelling.


SECTION 15 : REGULATORY INFORMATION

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture


Banned from sale to the general public (EC Regulation No. 1907/2006) - For professional users only.

For professional users only.

- Particular provisions:

- Standardised American system for the identification of hazards presented by the product in view of emergency procedures (NFPA 704):

  NFPA 704, Labelling: Health=2 Inflammability=1 Instability/Reactivity=1 Specific Risk=none

15.2. Chemical safety assessment

No data available.

SECTION 16 : OTHER INFORMATION

Since the user's working conditions are not known by us, the information supplied on this safety data sheet is based on our current level of knowledge and on national and community regulations.

The mixture must not be used for other uses than those specified in section 1 without having first obtained written handling instructions.

It is at all times the responsibility of the user to take all necessary measures to comply with legal requirements and local regulations.

The information in this safety data sheet must be regarded as a description of the safety requirements relating to the mixture and not as a guarantee of the properties thereof.

Title for H, EUH and R indications mentioned in section 3:

H225 Highly flammable liquid and vapour.

H301 Toxic if swallowed.
H311  Toxic in contact with skin.
H314  Causes severe skin burns and eye damage.
H317  May cause an allergic skin reaction.
H319  Causes serious eye irritation.
H331  Toxic if inhaled.
H370  Causes damage to organs.
H410  Very toxic to aquatic life with long lasting effects.
R 11   Highly flammable.
R 23/24/25  Toxic by inhalation, in contact with skin and if swallowed.
R 34   Causes burns.
R 36   Irritating to eyes.
R 39/23/24/25  Toxic: danger of very serious irreversible effects through inhalation, in contact with skin and if swallowed.
R 43   May cause sensitisation by skin contact.
R 50/53 Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Abbreviations:
ADR : European agreement concerning the international carriage of dangerous goods by Road.
IMDG : International Maritime Dangerous Goods.
IATA : International Air Transport Association.
ICAO : International Civil Aviation Organisation.
RID : Regulations concerning the International carriage of Dangerous goods by rail.
GHS07 : Exclamation mark
SAFETY DATA SHEET
(REACH regulation (EC) n° 1907/2006 - n° 453/2010)

SECTION 1 : IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1. Product identifier
   Product name : TINFIX DESIGN VIOLET OUTREMER
   Product code : N143006.040.

1.2. Relevant identified uses of the substance or mixture and uses advised against

1.3. Details of the supplier of the safety data sheet
   Registered company name : Max Sauer SAS.
   Address : 2 rue Lamarck.22000.Saint Brieuc.France.
   Telephone : 0033(0)296682000.     Fax : 0033(0)296770065.
   mail@raphael.fr

1.4. Emergency telephone number : +33 (0)1 45 42 59 59.

SECTION 2 : HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture
   In compliance with EC regulation No. 1272/2008 and its amendments.
   Respiratory sensitisation, Category 1 (Resp. Sens. 1, H334).
   Skin sensitisation, Category 1 (Skin Sens. 1, H317).

   This mixture does not present a physical hazard. Refer to the recommendations regarding the other products present on the site.
   This mixture does not present an environmental hazard. No known or foreseeable environmental damage under standard conditions of use.

   Respiratory sensitisation (Xi, R 42).
   Skin sensitisation (Xi, R 43).

   This mixture does not present a physical hazard. Refer to the recommendations regarding the other products present on the site.
   This mixture does not present an environmental hazard. No known or foreseeable environmental damage under standard conditions of use.

2.2. Label elements
   In compliance with EC regulation No. 1272/2008 and its amendments.
   Hazard pictograms :

   GHS08
   Signal Word :
   DANGER
   Product identifiers :
   CAS 12220-51-8 ACIDE VIOLET 48

   Additional labeling :
   For professional use only.
   Hazard statements :
   H317 May cause an allergic skin reaction.
   H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.
Precautionary statements - General:
P101 If medical advice is needed, have product container or label at hand.
P102 Keep out of reach of children.
P103 Read label before use.

Precautionary statements - Prevention:
P261 Avoid breathing dust/fume/gas/mist/vapours/spray.
P272 Contaminated work clothing should not be allowed out of the workplace.
P280 Wear protective gloves/protective clothing/eye protection/face protection.
P285 In case of inadequate ventilation wear respiratory protection.

Precautionary statements - Response:
P302 + P352 IF ON SKIN: Wash with plenty of soap and water.
P304 + P341 IF INHALED: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing.
P321 Specific treatment (see ... on this label).
P333 + P313 If skin irritation or rash occurs: Get medical advice/attention.
P342 + P311 If experiencing respiratory symptoms: Call a POISON CENTER or doctor/physician.
P363 Wash contaminated clothing before reuse.

Precautionary statements - Disposal:
P501 Dispose of contents/container to ... in compliance with directives 67/548/EEC, 1999/45/EC and their amendments.

Hazard symbols:

Contains:
CAS 12220-51-8 ACIDE VIOLET 48

Risk phrase:
R 42/43 May cause sensitization by inhalation and skin contact.

Safety phrase:
S 1/2 Keep locked up and out of the reach of children.
S 23 Ne pas respirer les gaz.
S 23 Ne pas respirer les fumées.
S 23 Ne pas respirer les vapeurs.
S 23 Ne as respirer les aérosols.
S 24 Avoid contact with skin.
S 37 Wear suitable gloves.
S 45 In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).
S 46 If swallowed, seek medical advice immediately and show this container or label.
S 63 In case of accident by inhalation: remove casualty to fresh air and keep at rest.
S 13 Keep away from food, drink and animal feedingstuffs.
S 20 When using do not eat or drink.

2.3. Other hazards
No data available.
SECTION 3 : COMPOSITION/INFORMATION ON INGREDIENTS

3.1. Substances
No substances fulfil the criteria set forth in annexe II section A of the REACH regulation (EC) n° 1907/2006.

3.2. Mixtures

Composition :

<table>
<thead>
<tr>
<th>Identification</th>
<th>Name</th>
<th>Classification</th>
<th>%</th>
</tr>
</thead>
<tbody>
<tr>
<td>INDEX: 603-096-00-8</td>
<td>2-(2-BUTOXYETHOXY)ETHANOL</td>
<td>GHS07, Wng, Xi, H:319, R:36</td>
<td>1 &lt;= x % &lt; 2.5</td>
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<td>CAS: 112-34-5</td>
<td>EC: 203-961-6</td>
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<td></td>
</tr>
<tr>
<td>CAS: 12220-51-8</td>
<td>ACIDE VIOLET 48</td>
<td>GHS08, Dgr, Xn, H:319-334, R:36-42/43</td>
<td>1 &lt;= x % &lt; 2.5</td>
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<td>INDEX: 603-001-00-X</td>
<td>METHANOL</td>
<td>GHS02, GHS06, GHS08, Dgr, T,F, H:225-331-311-301-370, R:11-23/24/25-39/23/24/25</td>
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<td>CAS: 67-56-1</td>
<td>EC: 200-659-6</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

SECTION 4 : FIRST AID MEASURES

As a general rule, in case of doubt or if symptoms persist, always call a doctor.
NEVER induce swallowing by an unconscious person.

4.1. Description of first aid measures

In the event of exposure by inhalation :
In the event of massive inhalation, remove the person exposed to fresh air. Keep warm and at rest.
If breathing is irregular or has stopped, effect mouth-to-mouth resuscitation and call a doctor.
In the event of an allergic reaction, seek medical attention.

In the event of splashes or contact with skin :
Remove contaminated clothing and wash the skin thoroughly with soap and water or a recognised cleaner.
Watch out for any remaining product between skin and clothing, watches, shoes, etc.
In the event of an allergic reaction, seek medical attention.
If the contaminated area is widespread and/or there is damage to the skin, a doctor must be consulted or the patient transferred to hospital.

In the event of swallowing :
Do not give the patient anything orally.
In the event of swallowing, if the quantity is small (no more than one mouthful), rinse the mouth with water and consult a doctor.
Seek medical attention immediately, showing the label.

4.2. Most important symptoms and effects, both acute and delayed
No data available.

4.3. Indication of any immediate medical attention and special treatment needed
No data available.

SECTION 5 : FIREFIGHTING MEASURES

Non-flammable.

5.1. Extinguishing media

5.2. Special hazards arising from the substance or mixture
A fire will often produce a thick black smoke. Exposure to decomposition products may be hazardous to health.
Do not breathe in smoke.
In the event of a fire, the following may be formed:
- carbon monoxide (CO)
- carbon dioxide (CO2)

5.3. Advice for firefighters
No data available.

SECTION 6 : ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures
Consult the safety measures listed under headings 7 and 8.

For non fire-fighters
Avoid inhaling the vapors.
Avoid any contact with the skin and eyes.
If a large quantity has been spilt, evacuate all personnel and only allow intervention by trained operators equipped with safety apparatus.

For fire-fighters
Fire-fighters will be equipped with suitable personal protective equipment (See section 8).

6.2. Environmental precautions
Contain and control the leaks or spills with non-combustible absorbent materials such as sand, earth, vermiculite, diatomaceous earth in drums for waste disposal.
Prevent any material from entering drains or waterways.

6.3. Methods and material for containment and cleaning up
Clean preferably with a detergent, do not use solvents.

6.4. Reference to other sections
No data available.

SECTION 7 : HANDLING AND STORAGE
Requirements relating to storage premises apply to all facilities where the mixture is handled.
Individuals with a history of asthma, allergies and/or chronic or periodical breathing difficulties should not, under any circumstances, use these mixtures.
Individuals with a history of skin sensitisation should not, under any circumstance, handle this mixture.

7.1. Precautions for safe handling
Always wash hands after handling.
Remove and wash contaminated clothing before re-using.

Fire prevention:
Handle in well-ventilated areas.
Prevent access by unauthorised personnel.

Recommended equipment and procedures:
For personal protection, see section 8.
Observe precautions stated on label and also industrial safety regulations.
Avoid inhaling vapors.
Avoid inhaling vapors. Carry out any industrial operation which may give rise to this in a sealed apparatus.
Provide vapor extraction at the emission source and also general ventilation of the premises.
Also provide breathing apparatus for certain short tasks of an exceptional nature and for emergency interventions.
In all cases, recover emissions at source.

Prohibited equipment and procedures:
No smoking, eating or drinking in areas where the mixture is used.

7.2. Conditions for safe storage, including any incompatibilities
No data available.
Storage
Keep out of reach of children.
Keep the container tightly closed in a dry, well-ventilated place

Packaging
Always keep in packaging made of an identical material to the original.

7.3. Specific end use(s)
No data available.

SECTION 8 : EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

Occupational exposure limits :

<table>
<thead>
<tr>
<th>CAS</th>
<th>VME-mg/m³</th>
<th>VME-ppm</th>
<th>VLE-mg/m³</th>
<th>VLE-ppm</th>
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<td>10</td>
<td>101.2</td>
<td>15</td>
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<tr>
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<td>260</td>
<td>200</td>
<td>-</td>
<td>-</td>
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- ACGIH TLV (American Conference of Governmental Industrial Hygienists, Threshold Limit Values, 2010) :

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<th>CAS</th>
<th>TWA :</th>
<th>STEL :</th>
<th>Ceiling :</th>
<th>Definition :</th>
<th>Criteria :</th>
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<td>250 ppm</td>
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- Germany - AGW (BAuA - TRGS 900, 21/06/2010) :

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<th>VME :</th>
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<td>-</td>
<td>100 mg/m³</td>
<td>1(I)</td>
<td>DFG, Y</td>
</tr>
<tr>
<td>67-56-1</td>
<td>200 ml/m³</td>
<td>270 mg/m³</td>
<td>4(II)</td>
<td>DFG, EU, H, Y</td>
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</table>

- France (INRS - ED984 :2008) :

<table>
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<th>CAS</th>
<th>VME-ppm :</th>
<th>VME-mg/m³ :</th>
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<th>VLE-mg/m³ :</th>
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<tr>
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<td>260</td>
<td>1000</td>
<td>1300</td>
<td>(12)</td>
<td>84</td>
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</table>

- UK / WEL (Workplace exposure limits, EH40/2005, 2007) :

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<th>TWA :</th>
<th>STEL :</th>
<th>Ceiling :</th>
<th>Definition :</th>
<th>Criteria :</th>
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<tr>
<td>67-56-1</td>
<td>200 ppm</td>
<td>250 ppm</td>
<td>-</td>
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</tbody>
</table>

8.2. Exposure controls

Personal protection measures, such as personal protective equipment

Pictogram(s) indicating the obligation of wearing personal protective equipment (PPE) :

Use personal protective equipment that is clean and has been properly maintained.
Store personal protective equipment in a clean place, away from the work area.
Never eat, drink or smoke during use. Remove and wash contaminated clothing before re-using. Ensure that there is adequate ventilation, especially in confined areas.

- Eye / face protection
Avoid contact with eyes.
Use eye protectors designed to protect against liquid splashes
Before handling, wear safety goggles in accordance with standard EN166.

- Hand protection
Wear suitable protective gloves in the event of prolonged or repeated skin contact.
Use suitable protective gloves that are resistant to chemical agents in accordance with standard EN374.
Gloves must be selected according to the application and duration of use at the workstation.
Protective gloves need to be selected according to their suitability for the workstation in question : other chemical products that may be handled, necessary physical protections (cutting, pricking, heat protection), level of dexterity required.
Type of gloves recommended:
- Natural latex
Recommended properties:
- Impervious gloves in accordance with standard EN374

**- Body protection**

Avoid skin contact.
Wear suitable protective clothing.

Suitable type of protective clothing:
- In the event of substantial spatter, wear liquid-tight protective clothing against chemical risks (type 3) in accordance with EN14605 to prevent skin contact.
- In the event of a risk of splashing, wear protective clothing against chemical risks (type 6) in accordance with EN13034 to prevent skin contact.
- Work clothing worn by personnel shall be laundered regularly.
- After contact with the product, all parts of the body that have been soiled must be washed.

**- Respiratory protection**

Avoid breathing vapours.
- If the ventilation is insufficient, wear appropriate breathing apparatus.
- When workers are confronted with concentrations that are above occupational exposure limits, they must wear a suitable, approved, respiratory protection device.
- Anti-gas and vapour filter(s) (Combined filters) in accordance with standard EN14387:
  - A1 (Brown)

**SECTION 9 : PHYSICAL AND CHEMICAL PROPERTIES**

9.1. Information on basic physical and chemical properties

**General information:**
- Physical state: viscous liquid.

**Important health, safety and environmental information**
- pH: Not stated.
- Slightly basic.
- Boiling point/boiling range: not specified.
- Flash point interval: not relevant.
- Vapour pressure: not relevant.
- Density: > 1
- Water solubility: Dilutable.
- Melting point/melting range: not specified.
- Self-ignition temperature: not specified.
- Decomposition point/decomposition range: not specified.

9.2. Other information
- No data available.

**SECTION 10 : STABILITY AND REACTIVITY**

10.1. Reactivity
- No data available.

10.2. Chemical stability
- This mixture is stable under the recommended handling and storage conditions in section 7.

10.3. Possibility of hazardous reactions
- No data available.

10.4. Conditions to avoid
- No data available.

10.5. Incompatible materials
10.6. Hazardous decomposition products
The thermal decomposition may release/form:
- carbon monoxide (CO)
- carbon dioxide (CO2)

SECTION 11 : TOXICOLOGICAL INFORMATION
11.1. Information on toxicological effects
May cause hypersensitivity of the respiratory tracts with effects taking the form of asthma, rhinitis/conjunctivitis or alveolitis.
May cause an allergic reaction by skin contact.

11.1.1. Substances
No toxicological data available for the substances.

11.1.2. Mixture
No toxicological data available for the mixture.

Respiratory or skin sensitisation:
May cause allergy or asthma symptoms or breathing difficulties if inhaled.

Monograph(s) from the IARC (International Agency for Research on Cancer):
CAS 64-17-5 : IARC Group 1 : The agent is carcinogenic to humans.

SECTION 12 : ECOLOGICAL INFORMATION
12.1. Toxicity
12.1.1. Substances
No aquatic toxicity data available for the substances.

12.1.2. Mixtures
No aquatic toxicity data available for the mixture.

12.2. Persistence and degradability
No data available.

12.3. Bioaccumulative potential
No data available.

12.4. Mobility in soil
No data available.

12.5. Results of PBT and vPvB assessment
No data available.

12.6. Other adverse effects
No data available.

SECTION 13 : DISPOSAL CONSIDERATIONS
Proper waste management of the mixture and/or its container must be determined in accordance with Directive 2008/98/EC.

13.1. Waste treatment methods
Do not pour into drains or waterways.

Waste:
Waste management is carried out without endangering human health, without harming the environment and, in particular without risk to water, air, soil, plants or animals.
Recycle or dispose of waste in compliance with current legislation, preferably via a certified collector or company.
Do not contaminate the ground or water with waste, do not dispose of waste into the environment.

Soiled packaging:
Empty container completely. Keep label(s) on container.
Give to a certified disposal contractor.
SECTION 14 : TRANSPORT INFORMATION

Exempt from transport classification and labelling.

SECTION 15 : REGULATORY INFORMATION

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture
Containers to be fitted with a tactile warning of danger (see EC Regulation No. 1272/2008, Annex II, Part 3).
Banned from sale to the general public (EC Regulation No. 1907/2006) - For professional users only.
For professional users only.
- Particular provisions:
  No data available.
- Standardised American system for the identification of hazards presented by the product in view of emergency procedures (NFPA 704):
  NFPA 704, Labelling: Health=0 Inflammability=1 Instability/Reactivity=1 Specific Risk=none

15.2. Chemical safety assessment
No data available.

SECTION 16 : OTHER INFORMATION

Since the user's working conditions are not known by us, the information supplied on this safety data sheet is based on our current level of knowledge and on national and community regulations.
The mixture must not be used for other uses than those specified in section 1 without having first obtained written handling instructions.
It is at all times the responsibility of the user to take all necessary measures to comply with legal requirements and local regulations.
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H225 Highly flammable liquid and vapour.
H301 Toxic if swallowed.
H311 Toxic in contact with skin.
H317 May cause an allergic skin reaction.
H319 Causes serious eye irritation.
H331 Toxic if inhaled.
H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.
H370 Causes damage to organs.
R 11 Highly flammable.
R 23/24/25 Toxic by inhalation, in contact with skin and if swallowed.
R 36 Irritating to eyes.
R 39/23/24/25 Toxic: danger of very serious irreversible effects through inhalation, in contact with skin and if swallowed.
R 42/43 May cause sensitization by inhalation and skin contact.
Abbreviations:
ADR: European agreement concerning the international carriage of dangerous goods by Road.
IMDG: International Maritime Dangerous Goods.
IATA: International Air Transport Association.
ICAO: International Civil Aviation Organisation
RID: Regulations concerning the International carriage of Dangerous goods by rail.
GHS08: Health hazard
SAFETY DATA SHEET
(REACH regulation (EC) n° 1907/2006 - n° 453/2010)

SECTION 1 : IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1. Product identifier
   Product name : TINFIX DESIGN VIOLETTE
   Product code : N143006.041.

1.2. Relevant identified uses of the substance or mixture and uses advised against

1.3. Details of the supplier of the safety data sheet
   Registered company name : Max Sauer SAS.
   Address : 2 rue Lamarck.22000.Saint Brieuc.France.
   Telephone : 0033(0)296682000.     Fax : 0033(0)296770065.
   mail@raphael.fr

1.4. Emergency telephone number : +33 (0)1 45 42 59 59.

SECTION 2 : HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture
   In compliance with EC regulation No. 1272/2008 and its amendments.
   Respiratory sensitisation, Category 1 (Resp. Sens. 1, H334).
   Skin sensitisation, Category 1 (Skin Sens. 1, H317).
   This mixture does not present a physical hazard. Refer to the recommendations regarding the other products present on the site.
   This mixture does not present an environmental hazard. No known or foreseeable environmental damage under standard conditions of use.

   Respiratory sensitisation (Xi, R 42).
   Skin sensitisation (Xi, R 43).
   This mixture does not present a physical hazard. Refer to the recommendations regarding the other products present on the site.
   This mixture does not present an environmental hazard. No known or foreseeable environmental damage under standard conditions of use.

2.2. Label elements
   In compliance with EC regulation No. 1272/2008 and its amendments.
   Hazard pictograms :
   GHS08
   Signal Word : DANGER
   Product identifiers :
   CAS 12220-51-8  ACIDE VIOLET 48

   Additional labeling : For professional use only.
Hazard statements:
H317 May cause an allergic skin reaction.
H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.

Precautionary statements - General:
P101 If medical advice is needed, have product container or label at hand.
P102 Keep out of reach of children.
P103 Read label before use.

Precautionary statements - Prevention:
P261 Avoid breathing dust/fume/gas/mist/vapours/spray.
P272 Contaminated work clothing should not be allowed out of the workplace.
P280 Wear protective gloves/protective clothing/eye protection/face protection.
P285 In case of inadequate ventilation wear respiratory protection.

Precautionary statements - Response:
P302 + P352 IF ON SKIN: Wash with plenty of soap and water.
P304 + P341 IF INHALED: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing.
P321 Specific treatment (see ... on this label).
P333 + P313 If skin irritation or rash occurs: Get medical advice/attention.
P342 + P311 If experiencing respiratory symptoms: Call a POISON CENTER or doctor/physician.
P363 Wash contaminated clothing before reuse.

Precautionary statements - Disposal:
P501 Dispose of contents/container to ...


Hazard symbols:

Contains:
CAS 12220-51-8 ACIDE VIOLET 48

Risk phrase:
R 42/43 May cause sensitization by inhalation and skin contact.

Safety phrase:
S 1/2 Keep locked up and out of the reach of children.
S 23 Ne pas respirer les gaz
S 23 Ne pas respirer les fumées.
S 23 Ne pas respirer les vapeurs.
S 23 Ne pas respirer les aérosols.
S 24 Avoid contact with skin.
S 37 Wear suitable gloves.
S 45 In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).
S 46 If swallowed, seek medical advice immediately and show this container or label.
S 63 In case of accident by inhalation: remove casualty to fresh air and keep at rest.
S 13 Keep away from food, drink and animal feedingstuffs.
S 20 When using do not eat or drink.

2.3. Other hazards
No data available.

SECTION 3 : COMPOSITION/INFORMATION ON INGREDIENTS

3.1. Substances
No substances fulfil the criteria set forth in annexe II section A of the REACH regulation (EC) n° 1907/2006.

3.2. Mixtures
Composition :

<table>
<thead>
<tr>
<th>Identification</th>
<th>Name</th>
<th>Classification</th>
<th>%</th>
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</thead>
<tbody>
<tr>
<td>INDEX: 603-096-00-8</td>
<td>2-(2-BUTOXYETHOXY)ETHANOL</td>
<td>GHS07, Wng, Xi, H:319, R: 36</td>
<td>2.5 &lt;= x % &lt; 10</td>
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<td>EC: 203-961-6</td>
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<td></td>
</tr>
<tr>
<td>CAS: 12220-51-8</td>
<td>ACIDE VIOLET 48</td>
<td>GHS08, Dgr, Xn, H:317-319-334, R: 36-42/43</td>
<td>2.5 &lt;= x % &lt; 10</td>
</tr>
<tr>
<td>INDEX: 603-001-00-X</td>
<td>METHANOL</td>
<td>GHS02, GHS06, GHS08, Dgr, T,F, H:225-331-311-301-370, R: 11-23/24/25-39/23/24/25</td>
<td>0 &lt;= x % &lt; 1</td>
</tr>
<tr>
<td>CAS: 67-56-1</td>
<td>EC: 200-659-6</td>
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<td></td>
</tr>
<tr>
<td>CAS: 55965-84-9</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
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SECTION 4 : FIRST AID MEASURES

4.1. Description of first aid measures
In the event of exposure by inhalation :
In the event of massive inhalation, remove the person exposed to fresh air. Keep warm and at rest.
If breathing is irregular or has stopped, effect mouth-to-mouth resuscitation and call a doctor.
In the event of an allergic reaction, seek medical attention.

In the event of splashes or contact with skin :
Remove contaminated clothing and wash the skin thoroughly with soap and water or a recognised cleaner.
Watch out for any remaining product between skin and clothing, watches, shoes, etc.
In the event of an allergic reaction, seek medical attention.
If the contaminated area is widespread and/or there is damage to the skin, a doctor must be consulted or the patient transferred to hospital.

In the event of swallowing :
Do not give the patient anything orally.
In the event of swallowing, if the quantity is small (no more than one mouthful), rinse the mouth with water and consult a doctor.
Seek medical attention immediately, showing the label.

4.2. Most important symptoms and effects, both acute and delayed
No data available.

4.3. Indication of any immediate medical attention and special treatment needed
No data available.
SECTION 5 : FIREFIGHTING MEASURES

Non-flammable.

5.1. Extinguishing media

5.2. Special hazards arising from the substance or mixture

A fire will often produce a thick black smoke. Exposure to decomposition products may be hazardous to health.

Do not breathe in smoke.

In the event of a fire, the following may be formed:
- carbon monoxide (CO)
- carbon dioxide (CO2)

5.3. Advice for firefighters

No data available.

SECTION 6 : ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

Consult the safety measures listed under headings 7 and 8.

For non fire-fighters

Avoid inhaling the vapors.

Avoid any contact with the skin and eyes.

If a large quantity has been spilt, evacuate all personnel and only allow intervention by trained operators equipped with safety apparatus.

For fire-fighters

Fire-fighters will be equipped with suitable personal protective equipment (See section 8).

6.2. Environmental precautions

Contain and control the leaks or spills with non-combustible absorbent materials such as sand, earth, vermiculite, diatomaceous earth in drums for waste disposal.

Prevent any material from entering drains or waterways.

6.3. Methods and material for containment and cleaning up

Clean preferably with a detergent, do not use solvents.

6.4. Reference to other sections

No data available.

SECTION 7 : HANDLING AND STORAGE

Requirements relating to storage premises apply to all facilities where the mixture is handled.

Individuals with a history of asthma, allergies and/or chronic or periodical breathing difficulties should not, under any circumstances, use these mixtures.

Individuals with a history of skin sensitisation should not, under any circumstance, handle this mixture.

7.1. Precautions for safe handling

Always wash hands after handling.

Remove and wash contaminated clothing before re-using.

Fire prevention:

Handle in well-ventilated areas.

Prevent access by unauthorised personnel.

Recommended equipment and procedures:

For personal protection, see section 8.

Observe precautions stated on label and also industrial safety regulations.

Avoid inhaling vapors.

Avoid inhaling vapors. Carry out any industrial operation which may give rise to this in a sealed apparatus.
Provide vapor extraction at the emission source and also general ventilation of the premises.
Also provide breathing apparatus for certain short tasks of an exceptional nature and for emergency interventions.
In all cases, recover emissions at source.

**Prohibited equipment and procedures:**
No smoking, eating or drinking in areas where the mixture is used.

**7.2. Conditions for safe storage, including any incompatibilities**
No data available.

**Storage**
Keep out of reach of children.
Keep the container tightly closed in a dry, well-ventilated place

**Packaging**
Always keep in packaging made of an identical material to the original.

**7.3. Specific end use(s)**
No data available.

---

**SECTION 8 : EXPOSURE CONTROLS/PERSONAL PROTECTION**

**8.1. Control parameters**

**Occupational exposure limits:**


<table>
<thead>
<tr>
<th>CAS</th>
<th>VME-mg/m³ : VME-ppm : VLE-mg/m³ : VLE-ppm : Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>112-34-5</td>
<td>67.5 : 10 : 101.2 : 15 : -</td>
</tr>
</tbody>
</table>

- **ACGIH TLV (American Conference of Governmental Industrial Hygienists, Threshold Limit Values, 2010):**

<table>
<thead>
<tr>
<th>CAS</th>
<th>TWA : STEL : Ceiling : Definition : Criteria</th>
</tr>
</thead>
<tbody>
<tr>
<td>67-56-1</td>
<td>200 ppm : 250 ppm : - : - : -</td>
</tr>
</tbody>
</table>

- **Germany - AGW (BAuA - TRGS 900, 21/06/2010):**

<table>
<thead>
<tr>
<th>CAS</th>
<th>VME : VME : Excess : Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>112-34-5</td>
<td>- : 100 mg/m³ : 1(I) : DFG, Y</td>
</tr>
<tr>
<td>67-56-1</td>
<td>200 ml/m³ : 270 mg/m³ : 4(II) : DFG, EU, H, Y</td>
</tr>
</tbody>
</table>

- **France (INRS - ED984:2008):**

<table>
<thead>
<tr>
<th>CAS</th>
<th>VME-ppm : VME-mg/m³ : VLE-ppm : Notes : TMP No</th>
</tr>
</thead>
<tbody>
<tr>
<td>112-34-5</td>
<td>10 : 67.5 : 15 : 101.2 : - : -</td>
</tr>
<tr>
<td>67-56-1</td>
<td>200 ppm : 260 : 1000 : 1300 : (12) : 84</td>
</tr>
</tbody>
</table>

- **UK / WEL (Workplace exposure limits, EH40/2005, 2007):**

<table>
<thead>
<tr>
<th>CAS</th>
<th>TWA : STEL : Ceiling : Definition : Criteria</th>
</tr>
</thead>
<tbody>
<tr>
<td>67-56-1</td>
<td>200 ppm : 250 ppm : - : - : -</td>
</tr>
</tbody>
</table>

**8.2. Exposure controls**

**Personal protection measures, such as personal protective equipment**

Pictogram(s) indicating the obligation of wearing personal protective equipment (PPE): 

<table>
<thead>
<tr>
<th>Pictogram</th>
</tr>
</thead>
<tbody>
<tr>
<td><img src="image1.png" alt="Pictogram1" /></td>
</tr>
<tr>
<td><img src="image2.png" alt="Pictogram2" /></td>
</tr>
<tr>
<td><img src="image3.png" alt="Pictogram3" /></td>
</tr>
</tbody>
</table>

Use personal protective equipment that is clean and has been properly maintained.
Store personal protective equipment in a clean place, away from the work area.
Never eat, drink or smoke during use. Remove and wash contaminated clothing before re-using. Ensure that there is adequate ventilation, especially in confined areas.
- **Eye / face protection**
  
  Avoid contact with eyes.
  
  Use eye protectors designed to protect against liquid splashes.
  
  Before handling, wear safety goggles in accordance with standard EN166.

- **Hand protection**
  
  Wear suitable protective gloves in the event of prolonged or repeated skin contact.
  
  Use suitable protective gloves that are resistant to chemical agents in accordance with standard EN374.
  
  Gloves must be selected according to the application and duration of use at the workstation.
  
  Protective gloves need to be selected according to their suitability for the workstation in question: other chemical products that may be handled, necessary physical protections (cutting, pricking, heat protection), level of dexterity required.
  
  **Type of gloves recommended:**
  
  - Natural latex
  
  **Recommended properties:**
  
  - Impervious gloves in accordance with standard EN374

- **Body protection**
  
  Avoid skin contact.
  
  Wear suitable protective clothing.
  
  **Suitable type of protective clothing:**
  
  In the event of substantial spatter, wear liquid-tight protective clothing against chemical risks (type 3) in accordance with EN14605 to prevent skin contact.
  
  In the event of a risk of splashing, wear protective clothing against chemical risks (type 6) in accordance with EN13034 to prevent skin contact.
  
  Work clothing worn by personnel shall be laundered regularly.
  
  After contact with the product, all parts of the body that have been soiled must be washed.

- **Respiratory protection**
  
  Avoid breathing vapours.
  
  If the ventilation is insufficient, wear appropriate breathing apparatus.
  
  When workers are confronted with concentrations that are above occupational exposure limits, they must wear a suitable, approved, respiratory protection device.
  
  Anti-gas and vapour filter(s) (Combined filters) in accordance with standard EN14387:
  
  - A1 (Brown)

### SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

#### 9.1. Information on basic physical and chemical properties

**General information**:

- Physical state: viscous liquid.

**Important health, safety and environmental information**

- **pH**: Not stated.
  
  Slightly basic.
  
  **Boiling point/boiling range**: not specified.
  
  **Flash point interval**: not relevant.
  
  **Vapour pressure**: not relevant.
  
  **Density**: > 1
  
  **Water solubility**: Dilutable.
  
  **Melting point/melting range**: not specified.
  
  **Self-ignition temperature**: not specified.
  
  **Decomposition point/decomposition range**: not specified.
9.2. Other information
No data available.

SECTION 10 : STABILITY AND REACTIVITY

10.1. Reactivity
No data available.

10.2. Chemical stability
This mixture is stable under the recommended handling and storage conditions in section 7.

10.3. Possibility of hazardous reactions
No data available.

10.4. Conditions to avoid

10.5. Incompatible materials

10.6. Hazardous decomposition products
The thermal decomposition may release/form:
- carbon monoxide (CO)
- carbon dioxide (CO2)

SECTION 11 : TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects
May cause hypersensitivity of the respiratory tracts with effects taking the form of asthma, rhinitis/conjunctivitis or alveolitis.
May cause an allergic reaction by skin contact.

11.1.1. Substances
No toxicological data available for the substances.

11.1.2. Mixture
No toxicological data available for the mixture.

Respiratory or skin sensitisation :
May cause allergy or asthma symptoms or breathing difficulties if inhaled.

Monograph(s) from the IARC (International Agency for Research on Cancer):
CAS 64-17-5 : IARC Group 1 : The agent is carcinogenic to humans.

SECTION 12 : ECOLOGICAL INFORMATION

12.1. Toxicity

12.1.1. Substances
No aquatic toxicity data available for the substances.

12.1.2. Mixtures
No aquatic toxicity data available for the mixture.

12.2. Persistence and degradability
No data available.

12.3. Bioaccumulative potential
No data available.

12.4. Mobility in soil
No data available.

12.5. Results of PBT and vPvB assessment
No data available.
12.6. Other adverse effects
No data available.

SECTION 13 : DISPOSAL CONSIDERATIONS
Proper waste management of the mixture and/or its container must be determined in accordance with Directive 2008/98/EC.

13.1. Waste treatment methods
Do not pour into drains or waterways.

Waste:
Waste management is carried out without endangering human health, without harming the environment and, in particular, without risk to water, air, soil, plants or animals.
Recycle or dispose of waste in compliance with current legislation, preferably via a certified collector or company.
Do not contaminate the ground or water with waste, do not dispose of waste into the environment.

Soiled packaging:
Empty container completely. Keep label(s) on container.
Give to a certified disposal contractor.

SECTION 14 : TRANSPORT INFORMATION
Exempt from transport classification and labelling.

SECTION 15 : REGULATORY INFORMATION
15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture
Containers to be fitted with a tactile warning of danger (see EC Regulation No. 1272/2008, Annex II, Part 3).
Banned from sale to the general public (EC Regulation No. 1907/2006) - For professional users only.
- Particular provisions:
  No data available.
- Standardised American system for the identification of hazards presented by the product in view of emergency procedures (NFPA 704):
  NFPA 704, Labelling: Health=0 Inflammability=1 Instability/Reactivity=1 Specific Risk=none

15.2. Chemical safety assessment
No data available.

SECTION 16 : OTHER INFORMATION
Since the user’s working conditions are not known by us, the information supplied on this safety data sheet is based on our current level of knowledge and on national and community regulations.
The mixture must not be used for other uses than those specified in section 1 without having first obtained written handling instructions.
It is at all times the responsibility of the user to take all necessary measures to comply with legal requirements and local regulations.
The information in this safety data sheet must be regarded as a description of the safety requirements relating to the mixture and not as a guarantee of the properties thereof.
Title for H, EUH and R indications mentioned in section 3:

H225  Highly flammable liquid and vapour.
H301  Toxic if swallowed.
H311  Toxic in contact with skin.
H314  Causes severe skin burns and eye damage.
H317  May cause an allergic skin reaction.
H319  Causes serious eye irritation.
H331  Toxic if inhaled.
H334  May cause allergy or asthma symptoms or breathing difficulties if inhaled.
H370  Causes damage to organs.
H410  Very toxic to aquatic life with long lasting effects.
R 11   Highly flammable.
R 23/24/25  Toxic by inhalation, in contact with skin and if swallowed.
R 34   Causes burns.
R 36   Irritating to eyes.
R 39/23/24/25  Toxic: danger of very serious irreversible effects through inhalation, in contact with skin and if swallowed.
R 42/43  May cause sensitization by inhalation and skin contact.
R 43   May cause sensitisation by skin contact.
R 50/53  Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Abbreviations:

ADR : European agreement concerning the international carriage of dangerous goods by Road.
IMDG : International Maritime Dangerous Goods.
IATA : International Air Transport Association.
ICAO : International Civil Aviation Organisation.
RID : Regulations concerning the International carriage of Dangerous goods by rail.
GHS08 : Health hazard.
SAFETY DATA SHEET
(REACH regulation (EC) n° 1907/2006 - n° 453/2010)

SECTION 1 : IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1. Product identifier
   Product name : TINFIX DESIGN VIOLET INDIEN
   Product code : N143006.043.

1.2. Relevant identified uses of the substance or mixture and uses advised against

1.3. Details of the supplier of the safety data sheet
   Registered company name : Max Sauer SAS.
   Address : 2 rue Lamarck.22000.Saint Brieuc.France.
   Telephone : 0033(0)296682000.     Fax : 0033(0)296770065.
   mail@raphael.fr

1.4. Emergency telephone number : +33 (0)1 45 42 59 59.

SECTION 2 : HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture
   In compliance with EC regulation No. 1272/2008 and its amendments.
   Eye irritation, Category 2 (Eye Irrit. 2, H319).
   Respiratory sensitisation, Category 1 (Resp. Sens. 1, H334).
   Skin sensitisation, Category 1 (Skin Sens. 1, H317).
   This mixture does not present a physical hazard. Refer to the recommendations regarding the other products present on the site.
   This mixture does not present an environmental hazard. No known or foreseeable environmental damage under standard conditions of use.

   Respiratory sensitisation (Xi, R 42).
   Skin sensitisation (Xi, R 43).
   This mixture does not present a physical hazard. Refer to the recommendations regarding the other products present on the site.
   This mixture does not present an environmental hazard. No known or foreseeable environmental damage under standard conditions of use.

2.2. Label elements
   In compliance with EC regulation No. 1272/2008 and its amendments.
   Hazard pictograms :
   GHS08
   Signal Word : DANGER
   Product identifiers :
   CAS 12220-51-8  ACIDE VIOLET 48
   Additional labeling :
   For professional use only.
Hazard statements:
H317 May cause an allergic skin reaction.
H319 Causes serious eye irritation.
H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.

Precautionary statements - General:
P101 If medical advice is needed, have product container or label at hand.
P102 Keep out of reach of children.
P103 Read label before use.

Precautionary statements - Prevention:
P261 Avoid breathing dust/fume/gas/mist/vapours/spray.
P264 Wash hands thoroughly after handling.
P272 Contaminated work clothing should not be allowed out of the workplace.
P280 Wear protective gloves/protective clothing/eye protection/face protection.
P285 In case of inadequate ventilation wear respiratory protection.

Precautionary statements - Response:
P302 + P352 IF ON SKIN: Wash with plenty of soap and water.
P304 + P341 IF INHALED: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing.
P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P321 Specific treatment (see... on this label).
P333 + P313 If skin irritation or rash occurs: Get medical advice/attention.
P337 + P313 If eye irritation persists: Get medical advice/attention.
P342 + P311 If experiencing respiratory symptoms: Call a POISON CENTER or doctor/physician.
P363 Wash contaminated clothing before reuse.

Precautionary statements - Disposal:
P501 Dispose of contents/container to ...


Hazard symbols:

Contains:
CAS 12220-51-8 ACIDE VIOLET 48

Risk phrase:
R 42/43 May cause sensitization by inhalation and skin contact.

Safety phrase:
S 1/2 Keep locked up and out of the reach of children.
S 23 Ne pas respirer les gaz
S 23 Ne pas respirer les fumées.
S 23 Ne pas respirer les vapeurs.
S 23 Ne as respirer les aérosols.
S 24 Avoid contact with skin.
S 37 Wear suitable gloves.
S 45 In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).
S 46 If swallowed, seek medical advice immediately and show this container or label.
In case of accident by inhalation: remove casualty to fresh air and keep at rest.

Keep away from food, drink and animal feedingstuffs.

When using do not eat or drink.


### 2.3. Other hazards

No data available.

### SECTION 3 : COMPOSITION/INFORMATION ON INGREDIENTS

#### 3.1. Substances

No substances fulfil the criteria set forth in annexe II section A of the REACH regulation (EC) n° 1907/2006.

#### 3.2. Mixtures

**Composition :**

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<tr>
<td>CAS: 55965-84-9</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### SECTION 4 : FIRST AID MEASURES

As a general rule, in case of doubt or if symptoms persist, always call a doctor.

**NEVER** induce swallowing by an unconscious person.

#### 4.1. Description of first aid measures

**In the event of exposure by inhalation :**

In the event of massive inhalation, remove the person exposed to fresh air. Keep warm and at rest.

If breathing is irregular or has stopped, effect mouth-to-mouth resuscitation and call a doctor.

In the event of an allergic reaction, seek medical attention.

**In the event of splashes or contact with eyes :**

Wash thoroughly with soft, clean water for 15 minutes holding the eyelids open.

If there is any redness, pain or visual impairment, consult an ophthalmologist.

**In the event of splashes or contact with skin :**

Remove contaminated clothing and wash the skin thoroughly with soap and water or a recognised cleaner.

Watch out for any remaining product between skin and clothing, watches, shoes, etc.

In the event of an allergic reaction, seek medical attention.

If the contaminated area is widespread and/or there is damage to the skin, a doctor must be consulted or the patient transferred to hospital.
In the event of swallowing:
Do not give the patient anything orally.
In the event of swallowing, if the quantity is small (no more than one mouthful), rinse the mouth with water and consult a doctor.
Seek medical attention immediately, showing the label.

4.2. Most important symptoms and effects, both acute and delayed
No data available.

4.3. Indication of any immediate medical attention and special treatment needed
No data available.

SECTION 5: FIREFIGHTING MEASURES
Non-flammable.

5.1. Extinguishing media

5.2. Special hazards arising from the substance or mixture
A fire will often produce a thick black smoke. Exposure to decomposition products may be hazardous to health.
Do not breathe in smoke.
In the event of a fire, the following may be formed:
- carbon monoxide (CO)
- carbon dioxide (CO2)

5.3. Advice for firefighters
No data available.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures
Consult the safety measures listed under headings 7 and 8.

For non fire-fighters
Avoid inhaling the vapors.
Avoid any contact with the skin and eyes.
If a large quantity has been spilt, evacuate all personnel and only allow intervention by trained operators equipped with safety apparatus.

For fire-fighters
Fire-fighters will be equipped with suitable personal protective equipment (See section 8).

6.2. Environmental precautions
Contain and control the leaks or spills with non-combustible absorbent materials such as sand, earth, vermiculite, diatomaceous earth in drums for waste disposal.
Prevent any material from entering drains or waterways.

6.3. Methods and material for containment and cleaning up
Clean preferably with a detergent, do not use solvents.

6.4. Reference to other sections
No data available.

SECTION 7: HANDLING AND STORAGE
Requirements relating to storage premises apply to all facilities where the mixture is handled.
Individuals with a history of asthma, allergies and/or chronic or periodical breathing difficulties should not, under any circumstances, use these mixtures.
Individuals with a history of skin sensitisation should not, under any circumstance, handle this mixture.

7.1. Precautions for safe handling
Always wash hands after handling.
Remove and wash contaminated clothing before re-using.
Fire prevention:
Handle in well-ventilated areas.
Prevent access by unauthorised personnel.

Recommended equipment and procedures:
For personal protection, see section 8.
Observe precautions stated on label and also industrial safety regulations.
Avoid inhaling vapors.
Provide vapor extraction at the emission source and also general ventilation of the premises.
In all cases, recover emissions at source.
Avoid skin and eye contact with this mixture.

Prohibited equipment and procedures:
No smoking, eating or drinking in areas where the mixture is used.

7.2. Conditions for safe storage, including any incompatibilities
No data available.

Storage
Keep out of reach of children.
Keep the container tightly closed in a dry, well-ventilated place

Packaging
Always keep in packaging made of an identical material to the original.

7.3. Specific end use(s)
No data available.

SECTION 8 : EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

Occupational exposure limits:
  CAS  VME-mg/m³ : VME-ppm : VLE-mg/m³ : VLE-ppm : Notes
  112-34-5 67.5 : 10 : 101.2 : 15 : -
- ACGIH TLV (American Conference of Governmental Industrial Hygienists, Threshold Limit Values, 2010):
  CAS  TWA : STEL : Ceiling : Definition : Criteria
  67-56-1 200 ppm : 250 ppm : - : - : -
- Germany - AGW (BAuA - TRGS 900, 21/06/2010):
  CAS  VME : VME : Excess : Notes
  112-34-5 - : 100 mg/m³ : 1(I) : DFG, Y
  67-56-1 200 ml/m³ : 270 mg/m³ : 4(II) : DFG, EU, H, Y
- France (INRS - ED984 : 2008):
  CAS  VME-ppm : VME-mg/m³ : VLE-ppm : VLE-mg/m³ : Notes : TMP No
  112-34-5 10 : 67.5 : 15 : 101.2 : - : -
  67-56-1 200 : 260 : 1000 : 1300 (12) : 84
  CAS  TWA : STEL : Ceiling : Definition : Criteria
  67-56-1 200 ppm : 250 ppm : - : - : -

8.2. Exposure controls

Personal protection measures, such as personal protective equipment
Pictogram(s) indicating the obligation of wearing personal protective equipment (PPE):

Use personal protective equipment that is clean and has been properly maintained.
Store personal protective equipment in a clean place, away from the work area.
Never eat, drink or smoke during use. Remove and wash contaminated clothing before re-using. Ensure that there is adequate ventilation, especially in confined areas.

- **Eye / face protection**
  Avoid contact with eyes.
  Use eye protectors designed to protect against liquid splashes
  Before handling, wear safety goggles with protective sides accordance with standard EN166.
  In the event of high danger, protect the face with a face shield.
  Prescription glasses are not considered as protection.
  Individuals wearing contact lenses should wear prescription glasses during work where they may be exposed to irritant vapours.
  Provide eyewash stations in facilities where the product is handled constantly.

- **Hand protection**
  Wear suitable protective gloves in the event of prolonged or repeated skin contact.
  Use suitable protective gloves that are resistant to chemical agents in accordance with standard EN374.
  Gloves must be selected according to the application and duration of use at the workstation.
  Protective gloves need to be selected according to their suitability for the workstation in question: other chemical products that may be handled, necessary physical protections (cutting, pricking, heat protection), level of dexterity required.
  Type of gloves recommended:
  - Natural latex
  - Impervious gloves in accordance with standard EN374

- **Body protection**
  Avoid skin contact.
  Wear suitable protective clothing.
  Suitable type of protective clothing:
  In the event of substantial spatter, wear liquid-tight protective clothing against chemical risks (type 3) in accordance with EN14605 to prevent skin contact.
  In the event of a risk of splashing, wear protective clothing against chemical risks (type 6) in accordance with EN13034 to prevent skin contact.
  Work clothing worn by personnel shall be laundered regularly.
  After contact with the product, all parts of the body that have been soiled must be washed.

- **Respiratory protection**
  Avoid breathing vapours.
  If the ventilation is insufficient, wear appropriate breathing apparatus.
  When workers are confronted with concentrations that are above occupational exposure limits, they must wear a suitable, approved, respiratory protection device.
  Anti-gas and vapour filter(s) (Combined filters) in accordance with standard EN14387:
  - A1 (Brown)

### SECTION 9 : PHYSICAL AND CHEMICAL PROPERTIES

#### 9.1. Information on basic physical and chemical properties

**General information:**

- **Physical state:** viscous liquid.
Important health, safety and environmental information

pH: Not stated.
Boiling point/boiling range: not specified.
Flash point interval: not relevant.
Vapour pressure: not relevant.
Density: > 1
Water solubility: Dilutable.
Melting point/melting range: not specified.
Self-ignition temperature: not specified.
Decomposition point/decomposition range: not specified.

9.2. Other information
No data available.

SECTION 10 : STABILITY AND REACTIVITY

10.1. Reactivity
No data available.

10.2. Chemical stability
This mixture is stable under the recommended handling and storage conditions in section 7.

10.3. Possibility of hazardous reactions
No data available.

10.4. Conditions to avoid

10.5. Incompatible materials

10.6. Hazardous decomposition products
The thermal decomposition may release/form:
- carbon monoxide (CO)
- carbon dioxide (CO2)

SECTION 11 : TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects
May have reversible effects on the eyes, such as eye irritation which is totally reversible by the end of observation at 21 days.
May cause hypersensitivity of the respiratory tracts with effects taking the form of asthma, rhinitis/conjunctivitis or alveolitis.
May cause an allergic reaction by skin contact.

11.1.1. Substances
No toxicological data available for the substances.

11.1.2. Mixture
No toxicological data available for the mixture.

Respiratory or skin sensitisation:
May cause allergy or asthma symptoms or breathing difficulties if inhaled.

Monograph(s) from the IARC (International Agency for Research on Cancer):
CAS 64-17-5: IARC Group 1: The agent is carcinogenic to humans.

SECTION 12 : ECOLOGICAL INFORMATION

12.1. Toxicity

12.1.1. Substances
No aquatic toxicity data available for the substances.
12.1.2. Mixtures
No aquatic toxicity data available for the mixture.

12.2. Persistence and degradability
No data available.

12.3. Bioaccumulative potential
No data available.

12.4. Mobility in soil
No data available.

12.5. Results of PBT and vPvB assessment
No data available.

12.6. Other adverse effects
No data available.

SECTION 13 : DISPOSAL CONSIDERATIONS
Proper waste management of the mixture and/or its container must be determined in accordance with Directive 2008/98/EC.

13.1. Waste treatment methods
Do not pour into drains or waterways.

Waste:
Waste management is carried out without endangering human health, without harming the environment and, in particular without risk to water, air, soil, plants or animals.
Recycle or dispose of waste in compliance with current legislation, preferably via a certified collector or company.
Do not contaminate the ground or water with waste, do not dispose of waste into the environment.

Soiled packaging:
Empty container completely. Keep label(s) on container.
Give to a certified disposal contractor.

SECTION 14 : TRANSPORT INFORMATION
Exempt from transport classification and labelling.

SECTION 15 : REGULATORY INFORMATION
15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture
Containers to be fitted with a tactile warning of danger (see EC Regulation No. 1272/2008, Annex II, Part 3).

Banned from sale to the general public (EC Regulation No. 1907/2006) - For professional users only.
For professional users only.

- Particular provisions:
No data available.

- Standardised American system for the identification of hazards presented by the product in view of emergency procedures (NFPA 704):
NFPA 704, Labelling: Health=0 Inflammability=1 Instability/Reactivity=1 Specific Risk=none

[Image of NFPA 704 symbol]
15.2. Chemical safety assessment
No data available.

SECTION 16: OTHER INFORMATION
Since the user's working conditions are not known by us, the information supplied on this safety data sheet is based on our current level of knowledge and on national and community regulations.
The mixture must not be used for other uses than those specified in section 1 without having first obtained written handling instructions.
It is at all times the responsibility of the user to take all necessary measures to comply with legal requirements and local regulations.
The information in this safety data sheet must be regarded as a description of the safety requirements relating to the mixture and not as a guarantee of the properties thereof.

Title for H, EUH and R indications mentioned in section 3:

H225 Highly flammable liquid and vapour.
H301 Toxic if swallowed.
H311 Toxic in contact with skin.
H314 Causes severe skin burns and eye damage.
H317 May cause an allergic skin reaction.
H319 Causes serious eye irritation.
H331 Toxic if inhaled.
H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.
H337 Causes damage to organs.
H410 Very toxic to aquatic life with long lasting effects.
R 11 Highly flammable.
R 23/24/25 Toxic by inhalation, in contact with skin and if swallowed.
R 34 Causes burns.
R 36 Irritating to eyes.
R 39/23/24/25 Toxic: danger of very serious irreversible effects through inhalation, in contact with skin and if swallowed.
R 42/43 May cause sensitization by inhalation and skin contact.
R 43 May cause sensitisation by skin contact.
R 50/53 Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Abbreviations:
ADR: European agreement concerning the international carriage of dangerous goods by Road.
IMDG: International Maritime Dangerous Goods.
IATA: International Air Transport Association.
ICAO: International Civil Aviation Organisation
RID: Regulations concerning the International carriage of Dangerous goods by rail.
GHS08: Health hazard.
SAFETY DATA SHEET
(REACH regulation (EC) n° 1907/2006 - n° 453/2010)

SECTION 1 : IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1. Product identifier
   Product name : TINFIX DESIGN VIOLET DE GARANCE
   Product code : N143006.045.

1.2. Relevant identified uses of the substance or mixture and uses advised against

1.3. Details of the supplier of the safety data sheet
   Registered company name : Max Sauer SAS.
   Address : 2 rue Lamarck.22000.Saint Brieuc.France.
   Telephone : 0033(0)296682000.     Fax : 0033(0)296770065.
   mail@raphael.fr

1.4. Emergency telephone number : +33 (0)1 45 42 59 59.

SECTION 2 : HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture
   In compliance with EC regulation No. 1272/2008 and its amendments.
   Respiratory sensitisation, Category 1 (Resp. Sens. 1, H334).
   Skin sensitisation, Category 1 (Skin Sens. 1, H317).
   This mixture does not present a physical hazard. Refer to the recommendations regarding the other products present on the site.
   This mixture does not present an environmental hazard. No known or foreseeable environmental damage under standard conditions of use.

   Respiratory sensitisation (Xi, R 42).
   Skin sensitisation (Xi, R 43).
   This mixture does not present a physical hazard. Refer to the recommendations regarding the other products present on the site.
   This mixture does not present an environmental hazard. No known or foreseeable environmental damage under standard conditions of use.

2.2. Label elements
   In compliance with EC regulation No. 1272/2008 and its amendments.
   Hazard pictograms : 
   GHS08
   Signal Word : DANGER
   Product identifiers :
   CAS 12220-51-8 ACIDE VIOLET 48

   Additional labeling :
   For professional use only.
Hazard statements:
H317 May cause an allergic skin reaction.
H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.

Precautionary statements - General:
P101 If medical advice is needed, have product container or label at hand.
P102 Keep out of reach of children.
P103 Read label before use.

Precautionary statements - Prevention:
P261 Avoid breathing dust/fume/gas/mist/vapours/spray.
P272 Contaminated work clothing should not be allowed out of the workplace.
P280 Wear protective gloves/protective clothing/eye protection/face protection.
P285 In case of inadequate ventilation wear respiratory protection.

Precautionary statements - Response:
P302 + P352 IF ON SKIN: Wash with plenty of soap and water.
P304 + P341 IF INHALED: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing.
P321 Specific treatment (see ... on this label).
P333 + P313 If skin irritation or rash occurs: Get medical advice/attention.
P342 + P311 If experiencing respiratory symptoms: Call a POISON CENTER or doctor/physician.
P363 Wash contaminated clothing before reuse.

Precautionary statements - Disposal:
P501 Dispose of contents/container to ...


Hazard symbols:
Harmful

Contains:
CAS 12220-51-8 ACIDE VIOLET 48

Risk phrase:
R 42/43 May cause sensitization by inhalation and skin contact.

Safety phrase:
S 1/2 Keep locked up and out of the reach of children.
S 23 Ne pas respirer les gaz
S 23 Ne pas respirer les fumées.
S 23 Ne pas respirer les vapeurs.
S 23 Ne as respirer les aérosols.
S 24 Avoid contact with skin.
S 37 Wear suitable gloves.
S 45 In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).
S 46 If swallowed, seek medical advice immediately and show this container or label.
S 63 In case of accident by inhalation: remove casualty to fresh air and keep at rest.
S 13 Keep away from food, drink and animal feedingstuffs.
S 20 When using do not eat or drink.

2.3. Other hazards
No data available.

SECTION 3 : COMPOSITION/INFORMATION ON INGREDIENTS

3.1. Substances
No substances fulfil the criteria set forth in annexe II section A of the REACH regulation (EC) n° 1907/2006.

3.2. Mixtures

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<th>Composition :</th>
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<tr>
<td>Identification</td>
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<td>INDEX: 603-096-00-8</td>
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<td>CAS: 12220-51-8</td>
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<td>CAS: 8011-86-7</td>
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<tr>
<td>INDEX: 603-001-00-X</td>
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<tr>
<td>CAS: 67-56-1</td>
</tr>
<tr>
<td>CAS: 55965-84-9</td>
</tr>
</tbody>
</table>

SECTION 4 : FIRST AID MEASURES

As a general rule, in case of doubt or if symptoms persist, always call a doctor.
NEVER induce swallowing by an unconscious person.

4.1. Description of first aid measures

In the event of exposure by inhalation :
In the event of massive inhalation, remove the person exposed to fresh air. Keep warm and at rest.
If breathing is irregular or has stopped, effect mouth-to-mouth resuscitation and call a doctor.
In the event of an allergic reaction, seek medical attention.

In the event of splashes or contact with skin :
Remove contaminated clothing and wash the skin thoroughly with soap and water or a recognised cleaner.
Watch out for any remaining product between skin and clothing, watches, shoes, etc.
In the event of an allergic reaction, seek medical attention.
If the contaminated area is widespread and/or there is damage to the skin, a doctor must be consulted or the patient transferred to hospital.

In the event of swallowing :
Do not give the patient anything orally.
In the event of swallowing, if the quantity is small (no more than one mouthful), rinse the mouth with water and consult a doctor.
Seek medical attention immediately, showing the label.

4.2. Most important symptoms and effects, both acute and delayed
No data available.

4.3. Indication of any immediate medical attention and special treatment needed
No data available.

SECTION 5 : FIREFIGHTING MEASURES
Non-flammable.

5.1. Extinguishing media

5.2. Special hazards arising from the substance or mixture
A fire will often produce a thick black smoke. Exposure to decomposition products may be hazardous to health.
Do not breathe in smoke.
In the event of a fire, the following may be formed:
- carbon monoxide (CO)
- carbon dioxide (CO2)

5.3. Advice for firefighters
No data available.

SECTION 6 : ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures
Consult the safety measures listed under headings 7 and 8.

For non fire-fighters
Avoid inhaling the vapors.
Avoid any contact with the skin and eyes.
If a large quantity has been spilt, evacuate all personnel and only allow intervention by trained operators equipped with safety apparatus.

For fire-fighters
Fire-fighters will be equipped with suitable personal protective equipment (See section 8).

6.2. Environmental precautions
Contain and control the leaks or spills with non-combustible absorbent materials such as sand, earth, vermiculite, diatomaceous earth in drums for waste disposal.
Prevent any material from entering drains or waterways.

6.3. Methods and material for containment and cleaning up
Clean preferably with a detergent, do not use solvents.

6.4. Reference to other sections
No data available.

SECTION 7 : HANDLING AND STORAGE
Requirements relating to storage premises apply to all facilities where the mixture is handled.
Individuals with a history of asthma, allergies and/or chronic or periodical breathing difficulties should not, under any circumstances, use these mixtures.
Individuals with a history of skin sensitisation should not, under any circumstance, handle this mixture.

7.1. Precautions for safe handling
Always wash hands after handling.
Remove and wash contaminated clothing before re-using.

Fire prevention:
Handle in well-ventilated areas.
Prevent access by unauthorised personnel.
Recommended equipment and procedures:
For personal protection, see section 8.
Observe precautions stated on label and also industrial safety regulations.
Avoid inhaling vapors.
Provide vapor extraction at the emission source and also general ventilation of the premises.
Also provide breathing apparatus for certain short tasks of an exceptional nature and for emergency interventions.
In all cases, recover emissions at source.

Prohibited equipment and procedures:
No smoking, eating or drinking in areas where the mixture is used.

7.2. Conditions for safe storage, including any incompatibilities
No data available.

Storage
Keep out of reach of children.
Keep the container tightly closed in a dry, well-ventilated place

Packaging
Always keep in packaging made of an identical material to the original.

7.3. Specific end use(s)
No data available.

SECTION 8 : EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

Occupational exposure limits:

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<tr>
<th>CAS</th>
<th>VME-mg/m3</th>
<th>VME-ppm</th>
<th>VLE-mg/m3</th>
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- ACGIH TLV (American Conference of Governmental Industrial Hygienists, Threshold Limit Values, 2010):

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<th>TWA :</th>
<th>STEL :</th>
<th>Ceiling :</th>
<th>Definition :</th>
<th>Criteria :</th>
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<td>200 ppm</td>
<td>250 ppm</td>
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</table>

- Germany - AGW (BAuA - TRGS 900, 21/06/2010):

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<th>Notes</th>
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<td>I(I) DFG, Y</td>
</tr>
<tr>
<td>67-56-1</td>
<td>200 ml/m3</td>
<td>270 mg/m3</td>
<td>4(II) DFG, EU, H, Y</td>
</tr>
</tbody>
</table>

- France (INRS - ED984 :2008):

<table>
<thead>
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<th>CAS</th>
<th>VME-ppm :</th>
<th>VME-mg/m3 :</th>
<th>VLE-ppm :</th>
<th>VLE-mg/m3 :</th>
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<td>67-56-1</td>
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<td>260</td>
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<table>
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<th>CAS</th>
<th>TWA :</th>
<th>STEL :</th>
<th>Ceiling :</th>
<th>Definition :</th>
<th>Criteria :</th>
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<tbody>
<tr>
<td>67-56-1</td>
<td>200 ppm</td>
<td>250 ppm</td>
<td>-</td>
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<td>-</td>
</tr>
</tbody>
</table>

8.2. Exposure controls

Personal protection measures, such as personal protective equipment

Pictogram(s) indicating the obligation of wearing personal protective equipment (PPE):

Use personal protective equipment that is clean and has been properly maintained.
Store personal protective equipment in a clean place, away from the work area.

Never eat, drink or smoke during use. Remove and wash contaminated clothing before re-using. Ensure that there is adequate ventilation, especially in confined areas.

- **Eye / face protection**
  Avoid contact with eyes.
  Use eye protectors designed to protect against liquid splashes
  Before handling, wear safety goggles in accordance with standard EN166.

- **Hand protection**
  Wear suitable protective gloves in the event of prolonged or repeated skin contact.
  Use suitable protective gloves that are resistant to chemical agents in accordance with standard EN374.
  Gloves must be selected according to the application and duration of use at the workstation.
  Protective gloves need to be selected according to their suitability for the workstation in question: other chemical products that may be handled, necessary physical protections (cutting, pricking, heat protection), level of dexterity required.
  Type of gloves recommended:
  - Natural latex
  Recommended properties:
  - Impervious gloves in accordance with standard EN374

- **Body protection**
  Avoid skin contact.
  Wear suitable protective clothing.
  Suitable type of protective clothing:
  In the event of substantial spatter, wear liquid-tight protective clothing against chemical risks (type 3) in accordance with EN14605 to prevent skin contact.
  In the event of a risk of splashing, wear protective clothing against chemical risks (type 6) in accordance with EN13034 to prevent skin contact.
  Work clothing worn by personnel shall be laundered regularly.
  After contact with the product, all parts of the body that have been soiled must be washed.

- **Respiratory protection**
  Avoid breathing vapours.
  If the ventilation is insufficient, wear appropriate breathing apparatus.
  When workers are confronted with concentrations that are above occupational exposure limits, they must wear a suitable, approved, respiratory protection device.
  Anti-gas and vapour filter(s) (Combined filters) in accordance with standard EN14387:
  - A1 (Brown)

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### SECTION 9 : PHYSICAL AND CHEMICAL PROPERTIES

#### 9.1. Information on basic physical and chemical properties

**General information:**
- Physical state: viscous liquid.

**Important health, safety and environmental information**
- pH: Not stated.
  - slightly basic.
- Boiling point/boiling range: not specified.
- Flash point interval: not relevant.
- Vapour pressure: not relevant.
- Density: > 1
- Water solubility: Dilutable.
- Melting point/melting range: not specified.
- Self-ignition temperature: not specified.
- Decomposition point/decomposition range: not specified.
9.2. Other information
No data available.

SECTION 10 : STABILITY AND REACTIVITY

10.1. Reactivity
No data available.

10.2. Chemical stability
This mixture is stable under the recommended handling and storage conditions in section 7.

10.3. Possibility of hazardous reactions
No data available.

10.4. Conditions to avoid

10.5. Incompatible materials

10.6. Hazardous decomposition products
The thermal decomposition may release/form:
- carbon monoxide (CO)
- carbon dioxide (CO2)

SECTION 11 : TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects
May cause hypersensitivity of the respiratory tracts with effects taking the form of asthma, rhinitis/conjunctivitis or alveolitis.
May cause an allergic reaction by skin contact.

11.1.1. Substances
No toxicological data available for the substances.

11.1.2. Mixture
No toxicological data available for the mixture.

Respiratory or skin sensitisation:
May cause allergy or asthma symptoms or breathing difficulties if inhaled.

Monograph(s) from the IARC (International Agency for Research on Cancer):
CAS 64-17-5 : IARC Group 1 : The agent is carcinogenic to humans.

SECTION 12 : ECOLOGICAL INFORMATION

12.1. Toxicity

12.1.1. Substances
No aquatic toxicity data available for the substances.

12.1.2. Mixtures
No aquatic toxicity data available for the mixture.

12.2. Persistence and degradability
No data available.

12.3. Bioaccumulative potential
No data available.

12.4. Mobility in soil
No data available.

12.5. Results of PBT and vPvB assessment
No data available.
12.6. Other adverse effects
No data available.

SECTION 13: DISPOSAL CONSIDERATIONS
Proper waste management of the mixture and/or its container must be determined in accordance with Directive 2008/98/EC.

13.1. Waste treatment methods
Do not pour into drains or waterways.

Waste:
Waste management is carried out without endangering human health, without harming the environment and, in particular, without risk to water, air, soil, plants or animals.
Recycle or dispose of waste in compliance with current legislation, preferably via a certified collector or company.
Do not contaminate the ground or water with waste, do not dispose of waste into the environment.

Soiled packaging:
Empty container completely. Keep label(s) on container.
Give to a certified disposal contractor.

SECTION 14: TRANSPORT INFORMATION
Exempt from transport classification and labelling.

SECTION 15: REGULATORY INFORMATION
15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture
Containers to be fitted with a tactile warning of danger (see EC Regulation No. 1272/2008, Annex II, Part 3).
Banned from sale to the general public (EC Regulation No. 1907/2006) - For professional users only.
- Particular provisions:
No data available.
- Standardised American system for the identification of hazards presented by the product in view of emergency procedures (NFPA 704):
NFPA 704, Labelling: Health=0 Inflammability=1 Instability/Reactivity=1 Specific Risk=none

15.2. Chemical safety assessment
No data available.

SECTION 16: OTHER INFORMATION
Since the user’s working conditions are not known by us, the information supplied on this safety data sheet is based on our current level of knowledge and on national and community regulations.
The mixture must not be used for other uses than those specified in section 1 without having first obtained written handling instructions.
It is at all times the responsibility of the user to take all necessary measures to comply with legal requirements and local regulations.
The information in this safety data sheet must be regarded as a description of the safety requirements relating to the mixture and not as a guarantee of the properties thereof.
Title for H, EUH and R indications mentioned in section 3:

- **H225** Highly flammable liquid and vapour.
- **H301** Toxic if swallowed.
- **H311** Toxic in contact with skin.
- **H314** Causes severe skin burns and eye damage.
- **H317** May cause an allergic skin reaction.
- **H319** Causes serious eye irritation.
- **H331** Toxic if inhaled.
- **H334** May cause allergy or asthma symptoms or breathing difficulties if inhaled.
- **H370** Causes damage to organs.
- **H410** Very toxic to aquatic life with long lasting effects.
- **R 11** Highly flammable.
- **R 23/24/25** Toxic by inhalation, in contact with skin and if swallowed.
- **R 34** Causes burns.
- **R 36** Irritating to eyes.
- **R 39/23/24/25** Toxic: danger of very serious irreversible effects through inhalation, in contact with skin and if swallowed.
- **R 42/43** May cause sensitization by inhalation and skin contact.
- **R 43** May cause sensitisation by skin contact.
- **R 50/53** Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Abbreviations:

- **ADR**: European agreement concerning the international carriage of dangerous goods by Road.
- **IMDG**: International Maritime Dangerous Goods.
- **IATA**: International Air Transport Association.
- **ICAO**: International Civil Aviation Organisation.
- **RID**: Regulations concerning the International carriage of Dangerous goods by rail.
- **GHS08**: Health hazard
SAFETY DATA SHEET
(Reach regulation (EC) n° 1907/2006 - n° 453/2010)

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1. Product identifier
   Product name: TINVIX DESIGN VIOLET BLEU
   Product code: N143006.047.

1.2. Relevant identified uses of the substance or mixture and uses advised against

1.3. Details of the supplier of the safety data sheet
   Registered company name: Max Sauer SAS.
   Address: 2 rue Lamarck.22000.Saint Brieuc.France.
   Telephone: 0033(0)296682000. Fax: 0033(0)296770065.
   mail@raphael.fr

1.4. Emergency telephone number: +33 (0)1 45 42 59 59.

SECTION 2: HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture
   In compliance with EC regulation No. 1272/2008 and its amendments.
   Respiratory sensitisation, Category 1 (Resp. Sens. 1, H334).
   Skin sensitisation, Category 1 (Skin Sens. 1, H317).
   This mixture does not present a physical hazard. Refer to the recommendations regarding the other products present on the site.
   This mixture does not present an environmental hazard. No known or foreseeable environmental damage under standard conditions of use.

   Respiratory sensitisation (Xi, R 42).
   Skin sensitisation (Xi, R 43).
   This mixture does not present a physical hazard. Refer to the recommendations regarding the other products present on the site.
   This mixture does not present an environmental hazard. No known or foreseeable environmental damage under standard conditions of use.

2.2. Label elements
   In compliance with EC regulation No. 1272/2008 and its amendments.
   Hazard pictograms:
   GHS08
   Signal Word: DANGER
   Product identifiers:
   CAS 12220-51-8 ACIDE VIOLET 48
   Additional labeling:
   For professional use only.
Hazard statements:
H317 May cause an allergic skin reaction.
H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.

Precautionary statements - General:
P101 If medical advice is needed, have product container or label at hand.
P102 Keep out of reach of children.
P103 Read label before use.

Precautionary statements - Prevention:
P261 Avoid breathing dust/fume/gas/mist/vapours/spray.
P272 Contaminated work clothing should not be allowed out of the workplace.
P280 Wear protective gloves/protective clothing/eye protection/face protection.
P285 In case of inadequate ventilation wear respiratory protection.

Precautionary statements - Response:
P302 + P352 IF ON SKIN: Wash with plenty of soap and water.
P304 + P341 IF INHALED: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing.
P321 Specific treatment (see ... on this label).
P333 + P313 If skin irritation or rash occurs: Get medical advice/attention.
P342 + P311 If experiencing respiratory symptoms: Call a POISON CENTER or doctor/physician.
P363 Wash contaminated clothing before reuse.

Precautionary statements - Disposal:
P501 Dispose of contents/container to ...


Hazard symbols:

Contains:
CAS 12220-51-8 ACIDE VIOLET 48

Risk phrase:
R 42/43 May cause sensitization by inhalation and skin contact.

Safety phrase:
S 1/2 Keep locked up and out of the reach of children.
S 23 Ne pas respirer les gaz
S 23 Ne pas respirer les fumées.
S 23 Ne pas respirer les vapeurs.
S 23 Ne pas respirer les aérosols.
S 24 Avoid contact with skin.
S 37 Wear suitable gloves.
S 45 In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).
S 46 If swallowed, seek medical advice immediately and show this container or label.
S 63 In case of accident by inhalation: remove casualty to fresh air and keep at rest.
S 13 Keep away from food, drink and animal feedingstuffs.
S 20 When using do not eat or drink.

2.3. Other hazards
No data available.

SECTION 3 : COMPOSITION/INFORMATION ON INGREDIENTS

3.1. Substances
No substances fulfil the criteria set forth in annexe II section A of the REACH regulation (EC) n° 1907/2006.

3.2. Mixtures

<table>
<thead>
<tr>
<th>Composition</th>
<th>Name</th>
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<tr>
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<td>2-(2-BUTOXYETHOXY)ETHANOL</td>
<td>GHS07, Wng Xi H:319 R: 36</td>
<td>2.5 &lt;= x % &lt; 10</td>
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SECTION 4 : FIRST AID MEASURES

As a general rule, in case of doubt or if symptoms persist, always call a doctor.

NEVER induce swallowing by an unconscious person.

4.1. Description of first aid measures

In the event of exposure by inhalation:
In the event of massive inhalation, remove the person exposed to fresh air. Keep warm and at rest.
If breathing is irregular or has stopped, effect mouth-to-mouth resuscitation and call a doctor.
In the event of an allergic reaction, seek medical attention.

In the event of splashes or contact with skin:
Remove contaminated clothing and wash the skin thoroughly with soap and water or a recognised cleaner.
Watch out for any remaining product between skin and clothing, watches, shoes, etc.
In the event of an allergic reaction, seek medical attention.
If the contaminated area is widespread and/or there is damage to the skin, a doctor must be consulted or the patient transferred to hospital.

In the event of swallowing:
Do not give the patient anything orally.
In the event of swallowing, if the quantity is small (no more than one mouthful), rinse the mouth with water and consult a doctor.
Seek medical attention immediately, showing the label.

4.2. Most important symptoms and effects, both acute and delayed

No data available.

4.3. Indication of any immediate medical attention and special treatment needed

No data available.
SECTION 5 : FIREFIGHTING MEASURES
Non-flammable.

5.1. Extinguishing media

5.2. Special hazards arising from the substance or mixture
A fire will often produce a thick black smoke. Exposure to decomposition products may be hazardous to health.
- Do not breathe in smoke.
- In the event of a fire, the following may be formed:
  - carbon monoxide (CO)
  - carbon dioxide (CO2)

5.3. Advice for firefighters
No data available.

SECTION 6 : ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures
Consult the safety measures listed under headings 7 and 8.

For non fire-fighters
- Avoid inhaling the vapors.
- Avoid any contact with the skin and eyes.
- If a large quantity has been spilt, evacuate all personnel and only allow intervention by trained operators equipped with safety apparatus.

For fire-fighters
- Fire-fighters will be equipped with suitable personal protective equipment (See section 8).

6.2. Environmental precautions
- Contain and control the leaks or spills with non-combustible absorbent materials such as sand, earth, vermiculite, diatomaceous earth in drums for waste disposal.
- Prevent any material from entering drains or waterways.

6.3. Methods and material for containment and cleaning up
- Clean preferably with a detergent, do not use solvents.

6.4. Reference to other sections
No data available.

SECTION 7 : HANDLING AND STORAGE
Requirements relating to storage premises apply to all facilities where the mixture is handled.

Individuals with a history of asthma, allergies and/or chronic or periodical breathing difficulties should not, under any circumstances, use these mixtures.

Individuals with a history of skin sensitisation should not, under any circumstance, handle this mixture.

7.1. Precautions for safe handling
- Always wash hands after handling.
- Remove and wash contaminated clothing before re-using.

Fire prevention:
- Handle in well-ventilated areas.
- Prevent access by unauthorised personnel.

Recommended equipment and procedures:
- For personal protection, see section 8.
- Observe precautions stated on label and also industrial safety regulations.
- Avoid inhaling vapors.
- Avoid inhaling vapors. Carry out any industrial operation which may give rise to this in a sealed apparatus.
Provide vapor extraction at the emission source and also general ventilation of the premises.
Also provide breathing apparatus for certain short tasks of an exceptional nature and for emergency interventions.
In all cases, recover emissions at source.

**Prohibited equipment and procedures:**
No smoking, eating or drinking in areas where the mixture is used.

**7.2. Conditions for safe storage, including any incompatibilities**
No data available.

**Storage**
Keep out of reach of children.
Keep the container tightly closed in a dry, well-ventilated place

**Packaging**
Always keep in packaging made of an identical material to the original.

**7.3. Specific end use(s)**
No data available.

**SECTION 8 : EXPOSURE CONTROLS/PERSONAL PROTECTION**

**8.1. Control parameters**

**Occupational exposure limits:**
  
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- Germany - AGW (BAuA - TRGS 900, 21/06/2010)
  
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- UK / WEL (Workplace exposure limits, EH40/2005, 2007)
  
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<td>200 ppm</td>
<td>250 ppm</td>
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</tbody>
</table>

**8.2. Exposure controls**

**Personal protection measures, such as personal protective equipment**

Pictogram(s) indicating the obligation of wearing personal protective equipment (PPE):

Use personal protective equipment that is clean and has been properly maintained.
Store personal protective equipment in a clean place, away from the work area.
Never eat, drink or smoke during use. Remove and wash contaminated clothing before re-using. Ensure that there is adequate ventilation, especially in confined areas.
- **Eye / face protection**
  
  Avoid contact with eyes.

  Use eye protectors designed to protect against liquid splashes.

  Before handling, wear safety goggles in accordance with standard EN166.

- **Hand protection**

  Wear suitable protective gloves in the event of prolonged or repeated skin contact.

  Use suitable protective gloves that are resistant to chemical agents in accordance with standard EN374.

  Gloves must be selected according to the application and duration of use at the workstation.

  Protective gloves need to be selected according to their suitability for the workstation in question: other chemical products that may be handled, necessary physical protections (cutting, pricking, heat protection), level of dexterity required.

  **Type of gloves recommended:**

  - Natural latex

  - Impervious gloves in accordance with standard EN374

- **Body protection**

  Avoid skin contact.

  Wear suitable protective clothing.

  **Suitable type of protective clothing:**

  - In the event of substantial spatter, wear liquid-tight protective clothing against chemical risks (type 3) in accordance with EN14605 to prevent skin contact.

  - In the event of a risk of splashing, wear protective clothing against chemical risks (type 6) in accordance with EN13034 to prevent skin contact.

  Work clothing worn by personnel shall be laundered regularly.

  After contact with the product, all parts of the body that have been soiled must be washed.

- **Respiratory protection**

  Avoid breathing vapours.

  If the ventilation is insufficient, wear appropriate breathing apparatus.

  When workers are confronted with concentrations that are above occupational exposure limits, they must wear a suitable, approved, respiratory protection device.

  Anti-gas and vapour filter(s) (Combined filters) in accordance with standard EN14387:

  - A1 (Brown)

### SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

#### 9.1. Information on basic physical and chemical properties

**General information:**

physical state: viscous liquid.

**Important health, safety and environmental information**

- pH: Not stated. Slightly basic.

- Boiling point/boiling range: not specified.

- Flash point interval: not relevant.

- Vapour pressure: not relevant.

- Density: > 1

- Water solubility: Dilutable.

- Melting point/melting range: not specified.

- Self-ignition temperature: not specified.

- Decomposition point/decomposition range: not specified.
9.2. Other information
No data available.

SECTION 10 : STABILITY AND REACTIVITY

10.1. Reactivity
No data available.

10.2. Chemical stability
This mixture is stable under the recommended handling and storage conditions in section 7.

10.3. Possibility of hazardous reactions
No data available.

10.4. Conditions to avoid

10.5. Incompatible materials

10.6. Hazardous decomposition products
The thermal decomposition may release/form:
- carbon monoxide (CO)
- carbon dioxide (CO2)

SECTION 11 : TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects
May cause hypersensitivity of the respiratory tracts with effects taking the form of asthma, rhinitis/conjunctivitis or alveolitis.
May cause an allergic reaction by skin contact.

11.1.1. Substances
No toxicological data available for the substances.

11.1.2. Mixture
No toxicological data available for the mixture.

Respiratory or skin sensitisation:
May cause allergy or asthma symptoms or breathing difficulties if inhaled.

Monograph(s) from the IARC (International Agency for Research on Cancer):
CAS 64-17-5 : IARC Group 1 : The agent is carcinogenic to humans.

SECTION 12 : ECOLOGICAL INFORMATION

12.1. Toxicity

12.1.1. Substances
No aquatic toxicity data available for the substances.

12.1.2. Mixtures
No aquatic toxicity data available for the mixture.

12.2. Persistence and degradability
No data available.

12.3. Bioaccumulative potential
No data available.

12.4. Mobility in soil
No data available.

12.5. Results of PBT and vPvB assessment
No data available.
12.6. Other adverse effects

No data available.

SECTION 13: DISPOSAL CONSIDERATIONS

Proper waste management of the mixture and/or its container must be determined in accordance with Directive 2008/98/EC.

13.1. Waste treatment methods

Do not pour into drains or waterways.

Waste:

Waste management is carried out without endangering human health, without harming the environment and, in particular, without risk to water, air, soil, plants or animals. Recycle or dispose of waste in compliance with current legislation, preferably via a certified collector or company.

Do not contaminate the ground or water with waste, do not dispose of waste into the environment.

Soiled packaging:

Empty container completely. Keep label(s) on container. Give to a certified disposal contractor.

SECTION 14: TRANSPORT INFORMATION

Exempt from transport classification and labelling.


SECTION 15: REGULATORY INFORMATION

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

Containers to be fitted with a tactile warning of danger (see EC Regulation No. 1272/2008, Annex II, Part 3).


Banned from sale to the general public (EC Regulation No. 1907/2006) - For professional users only.

- Particular provisions:

No data available.

- Standardised American system for the identification of hazards presented by the product in view of emergency procedures (NFPA 704):

NFPA 704, Labelling: Health=0 Inflammability=1 Instability/Reactivity=1 Specific Risk=none

15.2. Chemical safety assessment

No data available.

SECTION 16: OTHER INFORMATION

Since the user’s working conditions are not known by us, the information supplied on this safety data sheet is based on our current level of knowledge and on national and community regulations.

The mixture must not be used for other uses than those specified in section 1 without having first obtained written handling instructions.

It is at all times the responsibility of the user to take all necessary measures to comply with legal requirements and local regulations.

The information in this safety data sheet must be regarded as a description of the safety requirements relating to the mixture and not as a guarantee of the properties thereof.
Title for H, EUH and R indications mentioned in section 3:

H225 Highly flammable liquid and vapour.
H301 Toxic if swallowed.
H311 Toxic in contact with skin.
H314 Causes severe skin burns and eye damage.
H317 May cause an allergic skin reaction.
H319 Causes serious eye irritation.
H331 Toxic if inhaled.
H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.
H370 Causes damage to organs.
H410 Very toxic to aquatic life with long lasting effects.
R 11 Highly flammable.
R 23/24/25 Toxic by inhalation, in contact with skin and if swallowed.
R 34 Causes burns.
R 36 Irritating to eyes.
R 39/23/24/25 Toxic: danger of very serious irreversible effects through inhalation, in contact with skin and if swallowed.
R 42/43 May cause sensitization by inhalation and skin contact.
R 43 May cause sensitisation by skin contact.
R 50/53 Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Abbreviations:
ADR : European agreement concerning the international carriage of dangerous goods by Road.
IMDG : International Maritime Dangerous Goods.
IATA : International Air Transport Association.
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GHS08 : Health hazard.
SAFETY DATA SHEET
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1.1. Product identifier
   Product name : TINFIX DESIGN BLEU D’IRAN
   Product code : N143006.049.

1.2. Relevant identified uses of the substance or mixture and uses advised against

1.3. Details of the supplier of the safety data sheet
   Registered company name : Max Sauer SAS.
   Address : 2 rue Lamarck.22000.Saint Brieuc.France.
   Telephone : 0033(0)296682000.     Fax : 0033(0)296770065.
   mail@raphael.fr

1.4. Emergency telephone number : +33 (0)1 45 42 59 59.

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2.1. Classification of the substance or mixture
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   Skin sensitisation, Category 1 (Skin Sens. 1, H317).
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   Skin sensitisation (Xi, R 43).
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2.2. Label elements
   In compliance with EC regulation No. 1272/2008 and its amendments.
   Hazard pictograms :

   GHS08
   Signal Word : DANGER
   Product identifiers :
   CAS 12220-51-8 ACIDE VIOLET 48
   Additional labeling :
   For professional use only.
Hazard statements:
H317 May cause an allergic skin reaction.
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Precautionary statements - General:
P101 If medical advice is needed, have product container or label at hand.
P102 Keep out of reach of children.
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P272 Contaminated work clothing should not be allowed out of the workplace.
P280 Wear protective gloves/protective clothing/eye protection/face protection.
P285 In case of inadequate ventilation wear respiratory protection.

Precautionary statements - Response:
P302 + P352 IF ON SKIN: Wash with plenty of soap and water.
P304 + P341 IF INHALED: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing.
P321 Specific treatment (see ... on this label).
P333 + P313 If skin irritation or rash occurs: Get medical advice/attention.
P342 + P311 If experiencing respiratory symptoms: Call a POISON CENTER or doctor/physician.
P363 Wash contaminated clothing before reuse.

Precautionary statements - Disposal:
P501 Dispose of contents/container to ...


Hazard symbols:
Harmful

Contains:
CAS 12220-51-8 ACIDE VIOLET 48

Risk phrase:
R 42/43 May cause sensitization by inhalation and skin contact.

Safety phrase:
S 1/2 Keep locked up and out of the reach of children.
S 23 Ne pas respirer les gaz
S 23 Ne pas respirer les fumées.
S 23 Ne pas respirer les vapeurs.
S 23 Ne as respirer les aérosols.
S 24 Avoid contact with skin.
S 37 Wear suitable gloves.
S 45 In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).
S 46 If swallowed, seek medical advice immediately and show this container or label.
S 63 In case of accident by inhalation: remove casualty to fresh air and keep at rest.
S 13 Keep away from food, drink and animal feedingstuffs.
S 20 When using do not eat or drink.

2.3. Other hazards
No data available.

SECTION 3 : COMPOSITION/INFORMATION ON INGREDIENTS

3.1. Substances
No substances fulfil the criteria set forth in annexe II section A of the REACH regulation (EC) n° 1907/2006.

3.2. Mixtures
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<td>R: 11-23/24/25-39/23/24/25</td>
<td></td>
</tr>
<tr>
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<td>MIXTURE OF: 5-CHLORO-2-METHYL-4-ISOTHIAZOL-3-ONE [EC NO. 247-500-7] AND 2-METHYL-2HISOTHIAZOL-3-ONE [EC NO. 220-239-6] (3:1)</td>
<td>GHS06, GHS05, GHS09, Dgr</td>
<td>0 &lt;= x % &lt; 1</td>
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<tr>
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<td></td>
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<tr>
<td></td>
<td></td>
<td>R: 23/24/25-34-43-50/53</td>
<td></td>
</tr>
</tbody>
</table>

SECTION 4 : FIRST AID MEASURES

As a general rule, in case of doubt or if symptoms persist, always call a doctor.
NEVER induce swallowing by an unconscious person.

4.1. Description of first aid measures
In the event of exposure by inhalation :
In the event of massive inhalation, remove the person exposed to fresh air. Keep warm and at rest.
If breathing is irregular or has stopped, effect mouth-to-mouth resuscitation and call a doctor.
In the event of an allergic reaction, seek medical attention.

In the event of splashes or contact with skin :
Remove contaminated clothing and wash the skin thoroughly with soap and water or a recognised cleaner.
Watch out for any remaining product between skin and clothing, watches, shoes, etc.
In the event of an allergic reaction, seek medical attention.
If the contaminated area is widespread and/or there is damage to the skin, a doctor must be consulted or the patient transferred to hospital.

In the event of swallowing :
Do not give the patient anything orally.
In the event of swallowing, if the quantity is small (no more than one mouthful), rinse the mouth with water and consult a doctor.
Seek medical attention immediately, showing the label.

4.2. Most important symptoms and effects, both acute and delayed
No data available.

4.3. Indication of any immediate medical attention and special treatment needed
No data available.
SECTION 5 : FIREFIGHTING MEASURES

Non-flammable.

5.1. Extinguishing media

5.2. Special hazards arising from the substance or mixture

A fire will often produce a thick black smoke. Exposure to decomposition products may be hazardous to health.

Do not breathe in smoke.

In the event of a fire, the following may be formed:

- carbon monoxide (CO)
- carbon dioxide (CO2)

5.3. Advice for firefighters

No data available.

SECTION 6 : ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

Consult the safety measures listed under headings 7 and 8.

For non fire-fighters

Avoid inhaling the vapors.

Avoid any contact with the skin and eyes.

If a large quantity has been spilt, evacuate all personnel and only allow intervention by trained operators equipped with safety apparatus.

For fire-fighters

Fire-fighters will be equipped with suitable personal protective equipment (See section 8).

6.2. Environmental precautions

Contain and control the leaks or spills with non-combustible absorbent materials such as sand, earth, vermiculite, diatomaceous earth in drums for waste disposal.

Prevent any material from entering drains or waterways.

6.3. Methods and material for containment and cleaning up

Clean preferably with a detergent, do not use solvents.

6.4. Reference to other sections

No data available.

SECTION 7 : HANDLING AND STORAGE

Requirements relating to storage premises apply to all facilities where the mixture is handled.

Individuals with a history of asthma, allergies and/or chronic or periodical breathing difficulties should not, under any circumstances, use these mixtures.

Individuals with a history of skin sensitisation should not, under any circumstance, handle this mixture.

7.1. Precautions for safe handling

Always wash hands after handling.

Remove and wash contaminated clothing before re-using.

Fire prevention:

Handle in well-ventilated areas.

Prevent access by unauthorised personnel.

Recommended equipment and procedures:

For personal protection, see section 8.

Observe precautions stated on label and also industrial safety regulations.

Avoid inhaling vapors.

Avoid inhaling vapors. Carry out any industrial operation which may give rise to this in a sealed apparatus.
Provide vapor extraction at the emission source and also general ventilation of the premises.
Also provide breathing apparatus for certain short tasks of an exceptional nature and for emergency interventions.
In all cases, recover emissions at source.

**Prohibited equipment and procedures:**
No smoking, eating or drinking in areas where the mixture is used.

### 7.2. Conditions for safe storage, including any incompatibilities
No data available.

**Storage**
Keep out of reach of children.
Keep the container tightly closed in a dry, well-ventilated place

**Packaging**
Always keep in packaging made of an identical material to the original.

#### 7.3. Specific end use(s)
No data available.

---

## SECTION 8 : EXPOSURE CONTROLS/PERSONAL PROTECTION

### 8.1. Control parameters

**Occupational exposure limits:**

  
<table>
<thead>
<tr>
<th>CAS</th>
<th>VME-mg/m³ : VME-ppm : VLE-mg/m³ : VLE-ppm : Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>112-34-5</td>
<td>67.5 10 101.2 15 -</td>
</tr>
<tr>
<td>67-56-1</td>
<td>260 200 - - Peau</td>
</tr>
</tbody>
</table>

- **ACGIH TLV (American Conference of Governmental Industrial Hygienists, Threshold Limit Values, 2010):**
  
<table>
<thead>
<tr>
<th>CAS</th>
<th>TWA : STEL : Ceiling : Definition : Criteria :</th>
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</thead>
<tbody>
<tr>
<td>67-56-1</td>
<td>200 ppm 250 ppm - - -</td>
</tr>
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</table>

- **Germany - AGW (BAuA - TRGS 900, 21/06/2010):**
  
<table>
<thead>
<tr>
<th>CAS</th>
<th>VME : VME : Excess : Notes</th>
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</thead>
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<tr>
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<td>- 100 mg/m³ 1(I) DFG, Y</td>
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<td>67-56-1</td>
<td>200 ml/m³ 270 mg/m³ 4(II) DFG, EU, H, Y</td>
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- **France (INRS - ED984 :2008):**
  
<table>
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<tr>
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<th>VME-ppm : VME-mg/m³ : VLE-ppm : VLE-mg/m³ : Notes : TMP No :</th>
</tr>
</thead>
<tbody>
<tr>
<td>112-34-5</td>
<td>10 67.5 15 101.2 - - -</td>
</tr>
<tr>
<td>67-56-1</td>
<td>200 ppm 250 ppm - - -</td>
</tr>
</tbody>
</table>

- **UK / WEL (Workplace exposure limits, EH40/2005, 2007):**
  
<table>
<thead>
<tr>
<th>CAS</th>
<th>TWA : STEL : Ceiling : Definition : Criteria :</th>
</tr>
</thead>
<tbody>
<tr>
<td>67-56-1</td>
<td>200 ppm 250 ppm - - -</td>
</tr>
</tbody>
</table>

### 8.2. Exposure controls

**Personal protection measures, such as personal protective equipment**

Pictogram(s) indicating the obligation of wearing personal protective equipment (PPE):

Use personal protective equipment that is clean and has been properly maintained.
Store personal protective equipment in a clean place, away from the work area.
Never eat, drink or smoke during use. Remove and wash contaminated clothing before re-using. Ensure that there is adequate ventilation, especially in confined areas.
- **Eye / face protection**
  Avoid contact with eyes.
  Use eye protectors designed to protect against liquid splashes.
  Before handling, wear safety goggles in accordance with standard EN166.

- **Hand protection**
  Wear suitable protective gloves in the event of prolonged or repeated skin contact.
  Use suitable protective gloves that are resistant to chemical agents in accordance with standard EN374.
  Gloves must be selected according to the application and duration of use at the workstation.
  Protective gloves need to be selected according to their suitability for the workstation in question: other chemical products that may be handled, necessary physical protections (cutting, pricking, heat protection), level of dexterity required.
  Type of gloves recommended:
  - Natural latex
  - Impervious gloves in accordance with standard EN374

- **Body protection**
  Avoid skin contact.
  Wear suitable protective clothing.
  Suitable type of protective clothing:
  In the event of substantial spatter, wear liquid-tight protective clothing against chemical risks (type 3) in accordance with EN14605 to prevent skin contact.
  In the event of a risk of splashing, wear protective clothing against chemical risks (type 6) in accordance with EN13034 to prevent skin contact.
  Work clothing worn by personnel shall be laundered regularly.
  After contact with the product, all parts of the body that have been soiled must be washed.

- **Respiratory protection**
  Avoid breathing vapours.
  If the ventilation is insufficient, wear appropriate breathing apparatus.
  When workers are confronted with concentrations that are above occupational exposure limits, they must wear a suitable, approved, respiratory protection device.
  Anti-gas and vapour filter(s) (Combined filters) in accordance with standard EN14387:
  - A1 (Brown)

---

### SECTION 9 : PHYSICAL AND CHEMICAL PROPERTIES

#### 9.1. Information on basic physical and chemical properties

**General information**:
- Physical state: viscous liquid.

**Important health, safety and environmental information**
- **pH**: Not stated.
- **Boiling point / boiling range**: not specified.
- **Flash point interval**: not relevant.
- **Vapour pressure**: not relevant.
- **Density**: > 1
- **Water solubility**: Dilutable.
- **Melting point / melting range**: not specified.
- **Self-ignition temperature**: not specified.
- **Decomposition point / decomposition range**: not specified.
9.2. Other information
No data available.

SECTION 10: STABILITY AND REACTIVITY

10.1. Reactivity
No data available.

10.2. Chemical stability
This mixture is stable under the recommended handling and storage conditions in section 7.

10.3. Possibility of hazardous reactions
No data available.

10.4. Conditions to avoid

10.5. Incompatible materials

10.6. Hazardous decomposition products
The thermal decomposition may release/form:
- carbon monoxide (CO)
- carbon dioxide (CO2)

SECTION 11: TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects
May cause hypersensitivity of the respiratory tracts with effects taking the form of asthma, rhinitis/conjunctivitis or alveolitis.
May cause an allergic reaction by skin contact.

11.1.1. Substances
No toxicological data available for the substances.

11.1.2. Mixture
No toxicological data available for the mixture.
Respiratory or skin sensitisation:
May cause allergy or asthma symptoms or breathing difficulties if inhaled.

Monograph(s) from the IARC (International Agency for Research on Cancer):
CAS 64-17-5: IARC Group 1: The agent is carcinogenic to humans.

SECTION 12: ECOLOGICAL INFORMATION

12.1. Toxicity

12.1.1. Substances
No aquatic toxicity data available for the substances.

12.1.2. Mixtures
No aquatic toxicity data available for the mixture.

12.2. Persistence and degradability
No data available.

12.3. Bioaccumulative potential
No data available.

12.4. Mobility in soil
No data available.

12.5. Results of PBT and vPvB assessment
No data available.
12.6. Other adverse effects
No data available.

SECTION 13 : DISPOSAL CONSIDERATIONS
Proper waste management of the mixture and/or its container must be determined in accordance with Directive 2008/98/EC.

13.1. Waste treatment methods
Do not pour into drains or waterways.
Waste:
Waste management is carried out without endangering human health, without harming the environment and, in particular without risk to water, air, soil, plants or animals.
Recycle or dispose of waste in compliance with current legislation, preferably via a certified collector or company.
Do not contaminate the ground or water with waste, do not dispose of waste into the environment.
Soiled packaging:
Empty container completely. Keep label(s) on container.
Give to a certified disposal contractor.

SECTION 14 : TRANSPORT INFORMATION
Exempt from transport classification and labelling.

SECTION 15 : REGULATORY INFORMATION
15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture
Containers to be fitted with a tactile warning of danger (see EC Regulation No. 1272/2008, Annex II, Part 3).
Banned from sale to the general public (EC Regulation No. 1907/2006) - For professional users only.
- Particular provisions:
No data available.
- Standardised American system for the identification of hazards presented by the product in view of emergency procedures (NFPA 704):
NFPA 704, Labelling: Health=0 Inflammability=1 Instability/Reactivity=1 Specific Risk=none

15.2. Chemical safety assessment
No data available.

SECTION 16 : OTHER INFORMATION
Since the user's working conditions are not known by us, the information supplied on this safety data sheet is based on our current level of knowledge and on national and community regulations.
The mixture must not be used for other uses than those specified in section 1 without having first obtained written handling instructions.
It is at all times the responsibility of the user to take all necessary measures to comply with legal requirements and local regulations.
The information in this safety data sheet must be regarded as a description of the safety requirements relating to the mixture and not as a guarantee of the properties thereof.
**Title for H, EUH and R indications mentioned in section 3:**

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>H225</td>
<td>Highly flammable liquid and vapour.</td>
</tr>
<tr>
<td>H301</td>
<td>Toxic if swallowed.</td>
</tr>
<tr>
<td>H311</td>
<td>Toxic in contact with skin.</td>
</tr>
<tr>
<td>H314</td>
<td>Causes severe skin burns and eye damage.</td>
</tr>
<tr>
<td>H317</td>
<td>May cause an allergic skin reaction.</td>
</tr>
<tr>
<td>H319</td>
<td>Causes serious eye irritation.</td>
</tr>
<tr>
<td>H331</td>
<td>Toxic if inhaled.</td>
</tr>
<tr>
<td>H334</td>
<td>May cause allergy or asthma symptoms or breathing difficulties if inhaled.</td>
</tr>
<tr>
<td>H370</td>
<td>Causes damage to organs.</td>
</tr>
<tr>
<td>H410</td>
<td>Very toxic to aquatic life with long lasting effects.</td>
</tr>
<tr>
<td>R 11</td>
<td>Highly flammable.</td>
</tr>
<tr>
<td>R 23/24/25</td>
<td>Toxic by inhalation, in contact with skin and if swallowed.</td>
</tr>
<tr>
<td>R 34</td>
<td>Causes burns.</td>
</tr>
<tr>
<td>R 36</td>
<td>Irritating to eyes.</td>
</tr>
<tr>
<td>R 39/23/24/25</td>
<td>Toxic: danger of very serious irreversible effects through inhalation, in contact with skin and if swallowed.</td>
</tr>
<tr>
<td>R 42/43</td>
<td>May cause sensitization by inhalation and skin contact.</td>
</tr>
<tr>
<td>R 43</td>
<td>May cause sensitisation by skin contact.</td>
</tr>
<tr>
<td>R 50/53</td>
<td>Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.</td>
</tr>
</tbody>
</table>

**Abbreviations:**

- ADR : European agreement concerning the international carriage of dangerous goods by Road.
- IATA : International Air Transport Association.
- ICAO : International Civil Aviation Organisation
- RID : Regulations concerning the International carriage of Dangerous goods by rail.
- GHS08 : Health hazard
SAFETY DATA SHEET
(REACH regulation (EC) n° 1907/2006 - n° 453/2010)

SECTION 1 : IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1. Product identifier
Product name : TINFIX DESIGN BLEU DE FRANCE
Product code : N143006.054.

1.2. Relevant identified uses of the substance or mixture and uses advised against

1.3. Details of the supplier of the safety data sheet
Registered company name : Max Sauer SAS.
Address : 2 rue Lamarck.22000.Saint Brieuc.France.
Telephone : 0033(0)296682000.     Fax : 0033(0)296770065.
mail@raphael.fr

1.4. Emergency telephone number : +33 (0)1 45 42 59 59.

SECTION 2 : HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture
In compliance with EC regulation No. 1272/2008 and its amendments.
Skin sensitisation, Category 1 (Skin Sens. 1, H317).
This mixture does not present a physical hazard. Refer to the recommendations regarding the other products present on the site.
This mixture does not present an environmental hazard. No known or foreseeable environmental damage under standard conditions of use.

Skin sensitisation (Xi, R 43).
This mixture does not present a physical hazard. Refer to the recommendations regarding the other products present on the site.
This mixture does not present an environmental hazard. No known or foreseeable environmental damage under standard conditions of use.

2.2. Label elements
In compliance with EC regulation No. 1272/2008 and its amendments.

Hazard pictograms :

GHS07
Signal Word :
WARNING
Product identifiers :

Additional labeling : For professional use only.
Hazard statements :
H317 May cause an allergic skin reaction.
Precautionary statements - General :
P101 If medical advice is needed, have product container or label at hand.
P102 Keep out of reach of children.
P103 Read label before use.

Precautionary statements - Prevention:
P261 Avoid breathing dust/fume/gas/mist/vapours/spray.
P272 Contaminated work clothing should not be allowed out of the workplace.
P280 Wear protective gloves/protective clothing/eye protection/face protection.

Precautionary statements - Response:
P302 + P352 IF ON SKIN: Wash with plenty of soap and water.
P321 Specific treatment (see ... on this label).
P333 + P313 If skin irritation or rash occurs: Get medical advice/attention.
P363 Wash contaminated clothing before reuse.

Precautionary statements - Disposal:
P501 Dispose of contents/container to ...


Hazard symbols:

Contains:

Risk phrase:
R 43 May cause sensitisation by skin contact.

Safety phrase:
S 2 Keep out of the reach of children.
S 24 Avoid contact with skin.
S 37 Wear suitable gloves.
S 46 If swallowed, seek medical advice immediately and show this container or label.
S 13 Keep away from food, drink and animal feedingstuffs.


2.3. Other hazards
No data available.

SECTION 3 : COMPOSITION/INFORMATION ON INGREDIENTS

3.1. Substances
No substances fulfil the criteria set forth in annexe II section A of the REACH regulation (EC) n° 1907/2006.

3.2. Mixtures

<table>
<thead>
<tr>
<th>Composition</th>
<th>Name</th>
<th>Classification</th>
<th>%</th>
</tr>
</thead>
<tbody>
<tr>
<td>INDEX: 603-096-00-8 CAS: 112-34-5 EC: 203-961-6</td>
<td>2-(2-BUTOXYETHOXY)ETHANOL</td>
<td>GHS07, Wng Xi: H:319 R: 36</td>
<td>2.5 &lt;= x % &lt; 10</td>
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<tr>
<td>CAS: 4474-24-2 EC: 224-748-4</td>
<td>3,3’-(9,10-DIOXOANTHRACENE-1,4-DIYLDIIMINO)BIS(2,4,6-TRIMETHYLBENZENESULFONATE) DE SODIUM</td>
<td>H:412 R: 52/53</td>
<td>1 &lt;= x % &lt; 2.5</td>
</tr>
</tbody>
</table>
SECTION 4 : FIRST AID MEASURES

As a general rule, in case of doubt or if symptoms persist, always call a doctor.
NEVER induce swallowing by an unconscious person.

4.1. Description of first aid measures

In the event of splashes or contact with skin:
Remove contaminated clothing and wash the skin thoroughly with soap and water or a recognised cleaner.
Watch out for any remaining product between skin and clothing, watches, shoes, etc.
In the event of an allergic reaction, seek medical attention.
If the contaminated area is widespread and/or there is damage to the skin, a doctor must be consulted or the patient transferred to hospital.

In the event of swallowing:
Do not give the patient anything orally.
In the event of swallowing, if the quantity is small (no more than one mouthful), rinse the mouth with water and consult a doctor.
Seek medical attention immediately, showing the label.

4.2. Most important symptoms and effects, both acute and delayed
No data available.

4.3. Indication of any immediate medical attention and special treatment needed
No data available.

SECTION 5 : FIREFIGHTING MEASURES

Non-flammable.

5.1. Extinguishing media

5.2. Special hazards arising from the substance or mixture
A fire will often produce a thick black smoke. Exposure to decomposition products may be hazardous to health.
Do not breathe in smoke.
In the event of a fire, the following may be formed:
- carbon monoxide (CO)
- carbon dioxide (CO2)

5.3. Advice for firefighters
No data available.

SECTION 6 : ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures
Consult the safety measures listed under headings 7 and 8.

For non fire-fighters
Avoid any contact with the skin and eyes.
For fire-fighters
Fire-fighters will be equipped with suitable personal protective equipment (See section 8).

6.2. Environmental precautions
Contain and control the leaks or spills with non-combustible absorbent materials such as sand, earth, vermiculite, diatomaceous earth in drums for waste disposal.
Prevent any material from entering drains or waterways.

6.3. Methods and material for containment and cleaning up
Clean preferably with a detergent, do not use solvents.

6.4. Reference to other sections
No data available.

SECTION 7 : HANDLING AND STORAGE
Requirements relating to storage premises apply to all facilities where the mixture is handled.
Individuals with a history of skin sensitisation should not, under any circumstance, handle this mixture.

7.1. Precautions for safe handling
Always wash hands after handling.
Remove and wash contaminated clothing before re-using.

Fire prevention:
Prevent access by unauthorised personnel.

Recommended equipment and procedures:
For personal protection, see section 8.
Observe precautions stated on label and also industrial safety regulations.

Prohibited equipment and procedures:
No smoking, eating or drinking in areas where the mixture is used.

7.2. Conditions for safe storage, including any incompatibilities
No data available.

Storage
Keep out of reach of children.

Packaging
Always keep in packaging made of an identical material to the original.

7.3. Specific end use(s)
No data available.

SECTION 8 : EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

Occupational exposure limits:
<table>
<thead>
<tr>
<th>CAS</th>
<th>VME-mg/m³</th>
<th>VME-ppm</th>
<th>VLE-mg/m³</th>
<th>VLE-ppm</th>
<th>Notes</th>
</tr>
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<tbody>
<tr>
<td>112-34-5</td>
<td>67.5</td>
<td>10</td>
<td>101.2</td>
<td>15</td>
<td></td>
</tr>
<tr>
<td>67-56-1</td>
<td>260</td>
<td>200</td>
<td></td>
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<td>Peau</td>
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</table>
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<tr>
<th>CAS</th>
<th>TWA :</th>
<th>STEL :</th>
<th>Ceiling :</th>
<th>Definition :</th>
<th>Criteria</th>
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<tr>
<td>67-56-1</td>
<td>200 ppm</td>
<td>250 ppm</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
</tbody>
</table>
- Germany - AGW (BAuA - TRGS 900, 21/06/2010):
<table>
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<tr>
<th>CAS</th>
<th>VME :</th>
<th>VME :</th>
<th>Excess</th>
<th>Notes</th>
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</thead>
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<tr>
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<td>-</td>
<td>100 mg/m³</td>
<td>1(I)</td>
<td>DFG, Y</td>
</tr>
<tr>
<td>67-56-1</td>
<td>200 ml/m³</td>
<td>270 mg/m³</td>
<td>4(II)</td>
<td>DFG, EU, H, Y</td>
</tr>
</tbody>
</table>

- Made under licence of European Label System® MSDS software from InfoDyne - http://www.infodyne.fr -
8.2. Exposure controls

Personal protection measures, such as personal protective equipment

Pictogram(s) indicating the obligation of wearing personal protective equipment (PPE):

- Use personal protective equipment that is clean and has been properly maintained.
- Store personal protective equipment in a clean place, away from the work area.
- Never eat, drink or smoke during use. Remove and wash contaminated clothing before re-using. Ensure that there is adequate ventilation, especially in confined areas.

- Eye / face protection

- Avoid contact with eyes.
- Use eye protectors designed to protect against liquid splashes.
- Before handling, wear safety goggles in accordance with standard EN166.

- Hand protection

- Wear suitable protective gloves in the event of prolonged or repeated skin contact.
- Use suitable protective gloves that are resistant to chemical agents in accordance with standard EN374.
- Gloves must be selected according to the application and duration of use at the workstation.
- Protective gloves need to be selected according to their suitability for the workstation in question: other chemical products that may be handled, necessary physical protections (cutting, pricking, heat protection), level of dexterity required.
- Type of gloves recommended:
  - Natural latex
  - Impervious gloves in accordance with standard EN374

- Body protection

- Avoid skin contact.
- Wear suitable protective clothing.
- Suitable type of protective clothing:
  - In the event of substantial spatter, wear liquid-tight protective clothing against chemical risks (type 3) in accordance with EN14605 to prevent skin contact.
  - In the event of a risk of splashing, wear protective clothing against chemical risks (type 6) in accordance with EN13034 to prevent skin contact.
- Work clothing worn by personnel shall be laundered regularly.
- After contact with the product, all parts of the body that have been soiled must be washed.

SECTION 9 : PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

General information:

- Physical state: viscous liquid.

Important health, safety and environmental information:

- pH: Not stated.
- Slightly basic.
- Boiling point/boiling range: not specified.
Flash point interval: not relevant.
Vapour pressure: not relevant.
Density: > 1
Water solubility: Dilutable.
Melting point/melting range: not specified.
Self-ignition temperature: not specified.
Decomposition point/decomposition range: not specified.

9.2. Other information
No data available.

SECTION 10: STABILITY AND REACTIVITY

10.1. Reactivity
No data available.

10.2. Chemical stability
This mixture is stable under the recommended handling and storage conditions in section 7.

10.3. Possibility of hazardous reactions
No data available.

10.4. Conditions to avoid

10.5. Incompatible materials

10.6. Hazardous decomposition products
The thermal decomposition may release/form:
- carbon monoxide (CO)
- carbon dioxide (CO2)

SECTION 11: TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects
May cause an allergic reaction by skin contact.

11.1.1. Substances
No toxicological data available for the substances.

11.1.2. Mixture
No toxicological data available for the mixture.

Monograph(s) from the IARC (International Agency for Research on Cancer):
CAS 64-17-5: IARC Group 1: The agent is carcinogenic to humans.

SECTION 12: ECOLOGICAL INFORMATION

12.1. Toxicity
12.1.1. Substances
No aquatic toxicity data available for the substances.

12.1.2. Mixtures
No aquatic toxicity data available for the mixture.

12.2. Persistence and degradability
No data available.

12.3. Bioaccumulative potential
No data available.

12.4. Mobility in soil
No data available.
12.5. Results of PBT and vPvB assessment
No data available.

12.6. Other adverse effects
No data available.

SECTION 13 : DISPOSAL CONSIDERATIONS
Proper waste management of the mixture and/or its container must be determined in accordance with Directive 2008/98/EC.

13.1. Waste treatment methods
Do not pour into drains or waterways.

Waste:
Waste management is carried out without endangering human health, without harming the environment and, in particular without risk to water, air, soil, plants or animals.
Recycle or dispose of waste in compliance with current legislation, preferably via a certified collector or company.
Do not contaminate the ground or water with waste, do not dispose of waste into the environment.

Soiled packaging:
Empty container completely. Keep label(s) on container.
Give to a certified disposal contractor.

SECTION 14 : TRANSPORT INFORMATION
Exempt from transport classification and labelling.

SECTION 15 : REGULATORY INFORMATION
15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture
Banned from sale to the general public (EC Regulation No. 1907/2006) - For professional users only.
For professional users only.

- Particular provisions:
No data available.

- Standardised American system for the identification of hazards presented by the product in view of emergency procedures (NFPA 704):
NFPA 704, Labelling: Health=2 Inflammability=1 Instability/Reactivity=1 Specific Risk=none

15.2. Chemical safety assessment
No data available.
SECTION 16: OTHER INFORMATION

Since the user's working conditions are not known by us, the information supplied on this safety data sheet is based on our current level of knowledge and on national and community regulations.

The mixture must not be used for other uses than those specified in section 1 without having first obtained written handling instructions.

It is at all times the responsibility of the user to take all necessary measures to comply with legal requirements and local regulations. The information in this safety data sheet must be regarded as a description of the safety requirements relating to the mixture and not as a guarantee of the properties thereof.

Title for H, EUH and R indications mentioned in section 3:

- H225: Highly flammable liquid and vapour.
- H301: Toxic if swallowed.
- H311: Toxic in contact with skin.
- H314: Causes severe skin burns and eye damage.
- H317: May cause an allergic skin reaction.
- H319: Causes serious eye irritation.
- H331: Toxic if inhaled.
- H334: May cause allergy or asthma symptoms or breathing difficulties if inhaled.
- H370: Causes damage to organs.
- H410: Very toxic to aquatic life with long lasting effects.
- H412: Harmful to aquatic life with long lasting effects.
- R11: Highly flammable.
- R23/24/25: Toxic by inhalation, in contact with skin and if swallowed.
- R34: Causes burns.
- R36: Irritating to eyes.
- R39/23/24/25: Toxic: danger of very serious irreversible effects through inhalation, in contact with skin and if swallowed.
- R42/43: May cause sensitization by inhalation and skin contact.
- R43: May cause sensitisation by skin contact.
- R50/53: Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
- R52/53: Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Abbreviations:

- ADR: European agreement concerning the international carriage of dangerous goods by Road.
- IATA: International Air Transport Association.
- ICAO: International Civil Aviation Organisation.
- RID: Regulations concerning the International carriage of Dangerous goods by rail.
- GHS07: Exclamation mark
SAFETY DATA SHEET
(REACH regulation (EC) n° 1907/2006 - n° 453/2010)

SECTION 1 : IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1. Product identifier
Product name : TINFIX DESIGN VERT BRÉSIL
Product code : N143006.061.

1.2. Relevant identified uses of the substance or mixture and uses advised against

1.3. Details of the supplier of the safety data sheet
Registered company name : Max Sauer SAS,
Address : 2 rue Lamarck.22000.Saint Brieuc.France.
Telephone : 0033(0)296682000.     Fax : 0033(0)296770065.
mail@raphael.fr

1.4. Emergency telephone number : +33 (0)1 45 42 59 59.

SECTION 2 : HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture
In compliance with EC regulation No. 1272/2008 and its amendments.
Skin sensitisation, Category 1 (Skin Sens. 1, H317).
Hazardous to the aquatic environment - Chronic hazard, Category 3 (Aquatic Chronic 3, H412).
This mixture does not present a physical hazard. Refer to the recommendations regarding the other products present on the site.

Skin sensitisation (Xi, R 43).
Aquatic environmental hazard, chronic toxicity: harmful (R 52/53).
This mixture does not present a physical hazard. Refer to the recommendations regarding the other products present on the site.

2.2. Label elements
In compliance with EC regulation No. 1272/2008 and its amendments.
Hazard pictograms :

GHS07
Signal Word :
WARNING
Product identifiers :
613-167-00-5 MIXTURE OF: 5-CHLORO-2-METHYL-4-ISOTHIAZOLIN-3-ONE [EC NO. 247-500-7] AND
2-METHYL-2HISOTHIAZOL-3-ONE [EC NO. 220-239-6] (3:1)

Additional labeling :
For professional use only.
H317 May cause an allergic skin reaction.
H412 Harmful to aquatic life with long lasting effects.
Precautionary statements - General :
P101 If medical advice is needed, have product container or label at hand.
P102 Keep out of reach of children.

2.3. Further information
Precautionary statements - Prevention:
P103 Read label before use.
P261 Avoid breathing dust/fume/gas/mist/vapours/spray.
P272 Contaminated work clothing should not be allowed out of the workplace.
P273 Avoid release to the environment.
P280 Wear protective gloves/protective clothing/eye protection/face protection.

Precautionary statements - Response:
P302 + P352 IF ON SKIN: Wash with plenty of soap and water.
P321 Specific treatment (see ... on this label).
P333 + P313 If skin irritation or rash occurs: Get medical advice/attention.
P363 Wash contaminated clothing before reuse.

Precautionary statements - Disposal:
P501 Dispose of contents/container to...


Hazard symbols:

Contains:

Risk phrase:
R 52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R 43 May cause sensitisation by skin contact.

Safety phrase:
S 2 Keep out of the reach of children.
S 24 Avoid contact with skin.
S 37 Wear suitable gloves.
S 46 If swallowed, seek medical advice immediately and show this container or label.
S 13 Keep away from food, drink and animal feedingstuffs.


SECTION 3 : COMPOSITION/INFORMATION ON INGREDIENTS

3.1. Substances
No substances fulfil the criteria set forth in annexe II section A of the REACH regulation (EC) n° 1907/2006.

3.2. Mixtures
Composition:

<table>
<thead>
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<th>Identification</th>
<th>Name</th>
<th>Classification</th>
<th>%</th>
</tr>
</thead>
<tbody>
<tr>
<td>INDEX: 603-096-00-8</td>
<td>2-(2-BUTOXYETHOXY)ETHANOL</td>
<td>GHS07, Wng</td>
<td>2.5 &lt;= x % &lt; 10</td>
</tr>
<tr>
<td>CAS: 112-34-5</td>
<td></td>
<td>Xi</td>
<td></td>
</tr>
<tr>
<td>EC: 203-961-6</td>
<td></td>
<td>H:319</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>R: 36</td>
<td></td>
</tr>
</tbody>
</table>
SECTION 4 : FIRST AID MEASURES

As a general rule, in case of doubt or if symptoms persist, always call a doctor.
never induce swallowing by an unconscious person.

4.1. Description of first aid measures

In the event of splashes or contact with skin :
Remove contaminated clothing and wash the skin thoroughly with soap and water or a recognised cleaner.
Watch out for any remaining product between skin and clothing, watches, shoes, etc.
In the event of an allergic reaction, seek medical attention.
If the contaminated area is widespread and/or there is damage to the skin, a doctor must be consulted or the patient transferred to hospital.

In the event of swallowing :
Do not give the patient anything orally.
In the event of swallowing, if the quantity is small (no more than one mouthful), rinse the mouth with water and consult a doctor.
Seek medical attention immediately, showing the label.

4.2. Most important symptoms and effects, both acute and delayed

No data available.

4.3. Indication of any immediate medical attention and special treatment needed

No data available.

SECTION 5 : FIREFIGHTING MEASURES

Non-flammable.

5.1. Extinguishing media

5.2. Special hazards arising from the substance or mixture

A fire will often produce a thick black smoke. Exposure to decomposition products may be hazardous to health.
Do not breathe in smoke.
In the event of a fire, the following may be formed :
- carbon monoxide (CO)
- carbon dioxide (CO2)

5.3. Advice for firefighters

No data available.
SECTION 6 : ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures
Consult the safety measures listed under headings 7 and 8.

For non fire-fighters
Avoid any contact with the skin and eyes.

For fire-fighters
Fire-fighters will be equipped with suitable personal protective equipment (See section 8).

6.2. Environmental precautions
Contain and control the leaks or spills with non-combustible absorbent materials such as sand, earth, vermiculite, diatomaceous earth in drums for waste disposal.
Prevent any material from entering drains or waterways.

6.3. Methods and material for containment and cleaning up
Clean preferably with a detergent, do not use solvents.

6.4. Reference to other sections
No data available.

SECTION 7 : HANDLING AND STORAGE
Requirements relating to storage premises apply to all facilities where the mixture is handled.
Individuals with a history of skin sensitisation should not, under any circumstance, handle this mixture.

7.1. Precautions for safe handling
Always wash hands after handling.
Remove and wash contaminated clothing before re-using.

Fire prevention :
Prevent access by unauthorised personnel.

Recommended equipment and procedures :
For personal protection, see section 8.
Observe precautions stated on label and also industrial safety regulations.

Prohibited equipment and procedures :
No smoking, eating or drinking in areas where the mixture is used.

7.2. Conditions for safe storage, including any incompatibilities
No data available.

Storage
Keep out of reach of children.

Packaging
Always keep in packaging made of an identical material to the original.

7.3. Specific end use(s)
No data available.

SECTION 8 : EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters
Occupational exposure limits :
  CAS  VME-mg/m³  VME-ppm  VLE-mg/m³  VLE-ppm  Notes
  112-34-5  67.5  10  101.2  15  -
  67-56-1  260  200  -  -  Peau
- ACGIH TLV (American Conference of Governmental Industrial Hygienists, Threshold Limit Values, 2010) :

- Made under licence of European Label System® MSDS software from InfoDyne - http://www.infodyne.fr -
8.2. Exposure controls

Personal protection measures, such as personal protective equipment

Pictogram(s) indicating the obligation of wearing personal protective equipment (PPE):

- Use personal protective equipment that is clean and has been properly maintained.
- Store personal protective equipment in a clean place, away from the work area.
- Never eat, drink or smoke during use. Remove and wash contaminated clothing before re-using. Ensure that there is adequate ventilation, especially in confined areas.

- Eye / face protection
  - Avoid contact with eyes.
  - Use eye protectors designed to protect against liquid splashes.
  - Before handling, wear safety goggles in accordance with standard EN166.

- Hand protection
  - Use suitable protective gloves that are resistant to chemical agents in accordance with standard EN374.
  - Gloves must be selected according to the application and duration of use at the workstation.
  - Protective gloves need to be selected according to their suitability for the workstation in question: other chemical products that may be handled, necessary physical protections (cutting, pricking, heat protection), level of dexterity required.
  - Type of gloves recommended:
    - Natural latex
    - Impervious gloves in accordance with standard EN374
  - Recommended properties:

- Body protection
  - Avoid skin contact.
  - Wear suitable protective clothing.
  - Suitable type of protective clothing:
    - In the event of substantial spatter, wear liquid-tight protective clothing against chemical risks (type 3) in accordance with EN14605 to prevent skin contact.
    - In the event of a risk of splashing, wear protective clothing against chemical risks (type 6) in accordance with EN13034 to prevent skin contact.
    - Work clothing worn by personnel shall be laundered regularly.
    - After contact with the product, all parts of the body that have been soiled must be washed.
SECTION 9 : PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

General information :

Physical state : viscous liquid.

Important health, safety and environmental information

pH : Not stated.
Boiling point/boiling range : not specified.
Flash point interval : not relevant.
Vapour pressure : not relevant.
Density : > 1
Water solubility : Dilutable.
Melting point/melting range : not specified.
Self-ignition temperature : not specified.
Decomposition point/decomposition range : not specified.

9.2. Other information
No data available.

SECTION 10 : STABILITY AND REACTIVITY

10.1. Reactivity
No data available.

10.2. Chemical stability
This mixture is stable under the recommended handling and storage conditions in section 7.

10.3. Possibility of hazardous reactions
No data available.

10.4. Conditions to avoid

10.5. Incompatible materials

10.6. Hazardous decomposition products
The thermal decomposition may release/form :
- carbon monoxide (CO)
- carbon dioxide (CO2)

SECTION 11 : TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects
May cause an allergic reaction by skin contact.

11.1.1. Substances
No toxicological data available for the substances.

11.1.2. Mixture
No toxicological data available for the mixture.

Monograph(s) from the IARC (International Agency for Research on Cancer) :
CAS 64-17-5 : IARC Group 1 : The agent is carcinogenic to humans.
SECTION 12 : ECOLOGICAL INFORMATION

Harmful to aquatic life with long lasting effects.
The product must not be allowed to run into drains or waterways.

12.1. Toxicity
12.1.1. Substances
No aquatic toxicity data available for the substances.
12.1.2. Mixtures
No aquatic toxicity data available for the mixture.

12.2. Persistence and degradability
No data available.

12.3. Bioaccumulative potential
No data available.

12.4. Mobility in soil
No data available.

12.5. Results of PBT and vPvB assessment
No data available.

12.6. Other adverse effects
No data available.

SECTION 13 : DISPOSAL CONSIDERATIONS

Proper waste management of the mixture and/or its container must be determined in accordance with Directive 2008/98/EC.

13.1. Waste treatment methods
Do not pour into drains or waterways.

Waste:
Waste management is carried out without endangering human health, without harming the environment and, in particular without risk to water, air, soil, plants or animals.
Recycle or dispose of waste in compliance with current legislation, preferably via a certified collector or company.
Do not contaminate the ground or water with waste, do not dispose of waste into the environment.

Soiled packaging:
Empty container completely. Keep label(s) on container.
Give to a certified disposal contractor.

SECTION 14 : TRANSPORT INFORMATION

Exempt from transport classification and labelling.

SECTION 15 : REGULATORY INFORMATION

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture
Banned from sale to the general public (EC Regulation No. 1907/2006) - For professional users only.
For professional users only.

- Particular provisions:
No data available.
- Standardised American system for the identification of hazards presented by the product in view of emergency procedures (NFPA 704):
  NFPA 704, Labelling: Health=2 Inflammability=1 Instability/Reactivity=1 Specific Risk=none

15.2. Chemical safety assessment
No data available.

SECTION 16 : OTHER INFORMATION
Since the user’s working conditions are not known by us, the information supplied on this safety data sheet is based on our current level of knowledge and on national and community regulations.
The mixture must not be used for other uses than those specified in section 1 without having first obtained written handling instructions.
It is at all times the responsibility of the user to take all necessary measures to comply with legal requirements and local regulations.
The information in this safety data sheet must be regarded as a description of the safety requirements relating to the mixture and not as a guarantee of the properties thereof.

Title for H, EUH and R indications mentioned in section 3:
H225 Highly flammable liquid and vapour.
H301 Toxic if swallowed.
H311 Toxic in contact with skin.
H314 Causes severe skin burns and eye damage.
H317 May cause an allergic skin reaction.
H319 Causes serious eye irritation.
H331 Toxic if inhaled.
H370 Causes damage to organs.
H410 Very toxic to aquatic life with long lasting effects.
R 11 Highly flammable.
R 23/24/25 Toxic by inhalation, in contact with skin and if swallowed.
R 34 Causes burns.
R 36 Irritating to eyes.
R 39/23/24/25 Toxic: danger of very serious irreversible effects through inhalation, in contact with skin and if swallowed.
R 43 May cause sensitisation by skin contact.
R 50/53 Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Abbreviations:
ADR : European agreement concerning the international carriage of dangerous goods by Road.
IMDG : International Maritime Dangerous Goods.
IATA : International Air Transport Association.
ICAO : International Civil Aviation Organisation.
RID : Regulations concerning the International carriage of Dangerous goods by rail.
GHS07 : Exclamation mark
SAFETY DATA SHEET
(REACH regulation (EC) n° 1907/2006 - n° 453/2010)

SECTION 1 : IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1. Product identifier
   Product name : TINFIX DESIGN VERT CINABRE
   Product code : N143006.073.

1.2. Relevant identified uses of the substance or mixture and uses advised against

1.3. Details of the supplier of the safety data sheet
   Registered company name : Max Sauer SAS.
   Address : 2 rue Lamarck.22000.Saint Brieuc.France.
   Telephone : 0033(0)296682000.     Fax : 0033(0)296770065.
   mail@raphael.fr

1.4. Emergency telephone number : +33 (0)1 45 42 59 59.

SECTION 2 : HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture
   In compliance with EC regulation No. 1272/2008 and its amendments.
   Skin sensitisation, Category 1 (Skin Sens. 1, H317).
   Hazardous to the aquatic environment - Chronic hazard, Category 3 (Aquatic Chronic 3, H412).
   This mixture does not present a physical hazard. Refer to the recommendations regarding the other products present on the site.

   Skin sensitisation (Xi, R 43).
   Aquatic environmental hazard, chronic toxicity: harmful (R 52/53).
   This mixture does not present a physical hazard. Refer to the recommendations regarding the other products present on the site.

2.2. Label elements
   In compliance with EC regulation No. 1272/2008 and its amendments.

Hazard pictograms :

GHS07

Signal Word :
WARNING

Product identifiers :

Additional labeling :
For professional use only.

H317
May cause an allergic skin reaction.

H412
Harmful to aquatic life with long lasting effects.

Precautionary statements - General :
P101 If medical advice is needed, have product container or label at hand.
P102 Keep out of reach of children.
P103 Read label before use.

Precautionary statements - Prevention:
P261 Avoid breathing dust/fume/gas/mist/vapours/spray.
P272 Contaminated work clothing should not be allowed out of the workplace.
P273 Avoid release to the environment.
P280 Wear protective gloves/protective clothing/eye protection/face protection.

Precautionary statements - Response:
P302 + P352 IF ON SKIN: Wash with plenty of soap and water.
P321 Specific treatment (see ... on this label).
P333 + P313 If skin irritation or rash occurs: Get medical advice/attention.
P363 Wash contaminated clothing before reuse.

Precautionary statements - Disposal:
P501 Dispose of contents/container to ...


Hazard symbols:

Contains:
EC 2602-906-9 2-(2-BUTOXYETHOXY)ETHANOL
EC 613-167-00-5 ACID BLACK 194
EC 276-127-2 2,5-DICHLORO-4-[4-

Risk phrase:
 R 52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
 R 43 May cause sensitisation by skin contact.

Safety phrase:
S 2 Keep out of the reach of children.
S 24 Avoid contact with skin.
S 37 Wear suitable gloves.
S 46 If swallowed, seek medical advice immediately and show this container or label.
S 13 Keep away from food, drink and animal feedingstuffs.


2.3. Other hazards
No data available.

SECTION 3 : COMPOSITION/INFORMATION ON INGREDIENTS

3.1. Substances
No substances fulfil the criteria set forth in annexe II section A of the REACH regulation (EC) n° 1907/2006.

3.2. Mixtures

<table>
<thead>
<tr>
<th>Identification</th>
<th>Name</th>
<th>Classification</th>
<th>%</th>
</tr>
</thead>
<tbody>
<tr>
<td>INDEX: 603-096-00-8</td>
<td>2-(2-BUTOXYETHOXY)ETHANOL</td>
<td>GHS07, Wng Xi H:319 R: 36</td>
<td>2.5 &lt;= x % &lt; 10</td>
</tr>
</tbody>
</table>
SECTION 4 : FIRST AID MEASURES

As a general rule, in case of doubt or if symptoms persist, always call a doctor. NEVER induce swallowing by an unconscious person.

4.1. Description of first aid measures

In the event of splashes or contact with skin:
Remove contaminated clothing and wash the skin thoroughly with soap and water or a recognised cleaner.
Watch out for any remaining product between skin and clothing, watches, shoes, etc.
In the event of an allergic reaction, seek medical attention.
If the contaminated area is widespread and/or there is damage to the skin, a doctor must be consulted or the patient transferred to hospital.

In the event of swallowing:
Do not give the patient anything orally.
In the event of swallowing, if the quantity is small (no more than one mouthful), rinse the mouth with water and consult a doctor.
Seek medical attention immediately, showing the label.

4.2. Most important symptoms and effects, both acute and delayed

No data available.

4.3. Indication of any immediate medical attention and special treatment needed

No data available.

SECTION 5 : FIREFIGHTING MEASURES

Non-flammable.

5.1. Extinguishing media

5.2. Special hazards arising from the substance or mixture

A fire will often produce a thick black smoke. Exposure to decomposition products may be hazardous to health.
Do not breathe in smoke.
In the event of a fire, the following may be formed:
- carbon monoxide (CO)
- carbon dioxide (CO2)

5.3. Advice for firefighters

No data available.
SECTION 6 : ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures
Consult the safety measures listed under headings 7 and 8.

For non fire-fighters
Avoid any contact with the skin and eyes.

For fire-fighters
Fire-fighters will be equipped with suitable personal protective equipment (See section 8).

6.2. Environmental precautions
Contain and control the leaks or spills with non-combustible absorbent materials such as sand, earth, vermiculite, diatomaceous earth in drums for waste disposal.
Prevent any material from entering drains or waterways.

6.3. Methods and material for containment and cleaning up
Clean preferably with a detergent, do not use solvents.

6.4. Reference to other sections
No data available.

SECTION 7 : HANDLING AND STORAGE
Requirements relating to storage premises apply to all facilities where the mixture is handled.
Individuals with a history of skin sensitisation should not, under any circumstance, handle this mixture.

7.1. Precautions for safe handling
Always wash hands after handling.
Remove and wash contaminated clothing before re-using.

Fire prevention :
Prevent access by unauthorised personnel.

Recommended equipment and procedures :
For personal protection, see section 8.
Observe precautions stated on label and also industrial safety regulations.

Prohibited equipment and procedures :
No smoking, eating or drinking in areas where the mixture is used.

7.2. Conditions for safe storage, including any incompatibilities
No data available.

Storage
Keep out of reach of children.

Packaging
Always keep in packaging made of an identical material to the original.

7.3. Specific end use(s)
No data available.

SECTION 8 : EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters
Occupational exposure limits :

<table>
<thead>
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<th>CAS</th>
<th>VME-mg/m3</th>
<th>VME-ppm</th>
<th>VLE-mg/m3</th>
<th>VLE-ppm</th>
<th>Notes</th>
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<tr>
<td>112-34-5</td>
<td>67.5</td>
<td>10</td>
<td>101.2</td>
<td>15</td>
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</tr>
<tr>
<td>67-56-1</td>
<td>260</td>
<td>200</td>
<td>-</td>
<td>-</td>
<td>Peau</td>
</tr>
</tbody>
</table>

- ACGIH TLV (American Conference of Governmental Industrial Hygienists, Threshold Limit Values, 2010) :
8.2. Exposure controls

Personal protection measures, such as personal protective equipment

Pictogram(s) indicating the obligation of wearing personal protective equipment (PPE):

Use personal protective equipment that is clean and has been properly maintained.
Store personal protective equipment in a clean place, away from the work area.
Never eat, drink or smoke during use. Remove and wash contaminated clothing before re-using. Ensure that there is adequate ventilation, especially in confined areas.

- Eye / face protection
Avoid contact with eyes.
Use eye protectors designed to protect against liquid splashes.
Before handling, wear safety goggles in accordance with standard EN166.

- Hand protection
Use suitable protective gloves that are resistant to chemical agents in accordance with standard EN374.
Gloves must be selected according to the application and duration of use at the workstation.
Protective gloves need to be selected according to their suitability for the workstation in question: other chemical products that may be handled, necessary physical protections (cutting, pricking, heat protection), level of dexterity required.
Type of gloves recommended:
- Natural latex
Recommended properties:
- Impervious gloves in accordance with standard EN374

- Body protection
Avoid skin contact.
Wear suitable protective clothing.
Suitable type of protective clothing:
In the event of substantial spatter, wear liquid-tight protective clothing against chemical risks (type 3) in accordance with EN14605 to prevent skin contact.
In the event of a risk of splashing, wear protective clothing against chemical risks (type 6) in accordance with EN13034 to prevent skin contact.
Work clothing worn by personnel shall be laundered regularly.
After contact with the product, all parts of the body that have been soiled must be washed.
SECTION 9 : PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

General information:
- Physical state: viscous liquid.

Important health, safety and environmental information:
- pH: Not stated, slightly basic.
- Boiling point/boiling range: not specified.
- Flash point interval: not relevant.
- Vapour pressure: not relevant.
- Density: > 1
- Water solubility: Dilutable.
- Melting point/melting range: not specified.
- Self-ignition temperature: not specified.
- Decomposition point/decomposition range: not specified.

9.2. Other information
No data available.

SECTION 10 : STABILITY AND REACTIVITY

10.1. Reactivity
No data available.

10.2. Chemical stability
This mixture is stable under the recommended handling and storage conditions in section 7.

10.3. Possibility of hazardous reactions
No data available.

10.4. Conditions to avoid

10.5. Incompatible materials

10.6. Hazardous decomposition products
The thermal decomposition may release/form:
- carbon monoxide (CO)
- carbon dioxide (CO2)

SECTION 11 : TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects
May cause an allergic reaction by skin contact.

11.1.1. Substances
No toxicological data available for the substances.

11.1.2. Mixture
No toxicological data available for the mixture.

Monograph(s) from the IARC (International Agency for Research on Cancer):
- CAS 64-17-5: IARC Group 1: The agent is carcinogenic to humans.
SECTION 12 : ECOLOGICAL INFORMATION

Harmful to aquatic life with long lasting effects.
The product must not be allowed to run into drains or waterways.

12.1. Toxicity

12.1.1. Substances
No aquatic toxicity data available for the substances.

12.1.2. Mixtures
No aquatic toxicity data available for the mixture.

12.2. Persistence and degradability
No data available.

12.3. Bioaccumulative potential
No data available.

12.4. Mobility in soil
No data available.

12.5. Results of PBT and vPvB assessment
No data available.

12.6. Other adverse effects
No data available.

SECTION 13 : DISPOSAL CONSIDERATIONS

Proper waste management of the mixture and/or its container must be determined in accordance with Directive 2008/98/EC.

13.1. Waste treatment methods
Do not pour into drains or waterways.

Waste :
Waste management is carried out without endangering human health, without harming the environment and, in particular without risk to water, air, soil, plants or animals.
Recycle or dispose of waste in compliance with current legislation, preferably via a certified collector or company.
Do not contaminate the ground or water with waste, do not dispose of waste into the environment.

Soiled packaging :
Empty container completely. Keep label(s) on container.
Give to a certified disposal contractor.

SECTION 14 : TRANSPORT INFORMATION

Exempt from transport classification and labelling.

SECTION 15 : REGULATORY INFORMATION

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture
Banned from sale to the general public (EC Regulation No. 1907/2006) - For professional users only.
For professional users only.

- Particular provisions :
No data available.
15.2. Chemical safety assessment

No data available.

SECTION 16 : OTHER INFORMATION

Since the user's working conditions are not known by us, the information supplied on this safety data sheet is based on our current level of knowledge and on national and community regulations.

The mixture must not be used for other uses than those specified in section 1 without having first obtained written handling instructions.

It is at all times the responsibility of the user to take all necessary measures to comply with legal requirements and local regulations. The information in this safety data sheet must be regarded as a description of the safety requirements relating to the mixture and not as a guarantee of the properties thereof.

Title for H, EUH and R indications mentioned in section 3:

H225 Highly flammable liquid and vapour.
H301 Toxic if swallowed.
H311 Toxic in contact with skin.
H314 Causes severe skin burns and eye damage.
H317 May cause an allergic skin reaction.
H319 Causes serious eye irritation.
H331 Toxic if inhaled.
H370 Causes damage to organs.
H410 Very toxic to aquatic life with long lasting effects.
H411 Toxic to aquatic life with long lasting effects.
R 11 Highly flammable.
R 23/24/25 Toxic by inhalation, in contact with skin and if swallowed.
R 34 Causes burns.
R 36 Irritating to eyes.
R 39/23/24/25 Toxic: danger of very serious irreversible effects through inhalation, in contact with skin and if swallowed.
R 43 May cause sensitisation by skin contact.
R 50/53 Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R 51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Abbreviations:

ADR : European agreement concerning the international carriage of dangerous goods by Road.
IMDG : International Maritime Dangerous Goods.
IATA : International Air Transport Association.
ICAO : International Civil Aviation Organisation
RID : Regulations concerning the International carriage of Dangerous goods by rail.
GHS07 : Exclamation mark
SAFETY DATA SHEET
(REACH regulation (EC) n° 1907/2006 - n° 453/2010)

SECTION 1 : IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1. Product identifier
   Product name : TINFIX DESIGN VERT OLIVE
   Product code : N143006.074.

1.2. Relevant identified uses of the substance or mixture and uses advised against

1.3. Details of the supplier of the safety data sheet
   Registered company name : Max Sauer SAS.
   Address : 2 rue Lamarck.22000.Saint Brieuc.France.
   Telephone : 0033(0)296682000.     Fax : 0033(0)296770065.
   mail@raphael.fr

1.4. Emergency telephone number : +33 (0)1 45 42 59 59.

SECTION 2 : HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture
   In compliance with EC regulation No. 1272/2008 and its amendments.
   Skin sensitisation, Category 1 (Skin Sens. 1, H317).
   Hazardous to the aquatic environment - Chronic hazard, Category 3 (Aquatic Chronic 3, H412).
   This mixture does not present a physical hazard. Refer to the recommendations regarding the other products present on the site.

2.2. Label elements
   Skin sensitisation (Xi, R 43).
   Aquatic environmental hazard, chronic toxicity: harmful (R 52/53).
   This mixture does not present a physical hazard. Refer to the recommendations regarding the other products present on the site.

2.3. Additional labeling
   For professional use only.
   H317 May cause an allergic skin reaction.
   H412 Harmful to aquatic life with long lasting effects.
   P101 If medical advice is needed, have product container or label at hand.
   P102 Keep out of reach of children.
P103               Read label before use.
Precautionary statements - Prevention :
P261               Avoid breathing dust/fume/gas/mist/vapours/spray.
P272               Contaminated work clothing should not be allowed out of the workplace.
P273               Avoid release to the environment.
P280               Wear protective gloves/protective clothing/eye protection/face protection.
Precautionary statements - Response :
P302 + P352         IF ON SKIN: Wash with plenty of soap and water.
P321               Specific treatment (see ... on this label).
P333 + P313         If skin irritation or rash occurs: Get medical advice/attention.
P363               Wash contaminated clothing before reuse.
Precautionary statements - Disposal :
P501               Dispose of contents/container to ...


Hazard symbols :

Contains :
EC 2602-906-9      ACID BLACK 194
613-167-00-5       MIXTURE OF: 5-CHLORO-2-METHYL-4-ISOTHIAZOLIN-3-ONE [EC NO. 247-500-7] AND
EC 276-127-2        2-METHYL-2HISOTHIAZOL-3-ONE [EC NO. 220-239-6] (3:1)
EC 203-961-6        2-(2-BUTOXYETHOXY)ETHANOL

Risk phrase :
R 52/53             Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic
                     environment.
R 43                May cause sensitisation by skin contact.

Safety phrase :
S 2                 Keep out of the reach of children.
S 24                Avoid contact with skin.
S 37                Wear suitable gloves.
S 46                If swallowed, seek medical advice immediately and show this container or label.
S 13                Keep away from food, drink and animal feedingstuffs.


2.3. Other hazards
No data available.

SECTION 3 : COMPOSITION/INFORMATION ON INGREDIENTS

3.1. Substances
No substances fulfil the criteria set forth in annexe II section A of the REACH regulation (EC) n° 1907/2006.

3.2. Mixtures
Composition :

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<th>Name</th>
<th>Classification</th>
<th>%</th>
</tr>
</thead>
<tbody>
<tr>
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<td>2-(2-BUTOXYETHOXY)ETHANOL</td>
<td>GHS07, Wng</td>
<td>2.5 &lt;= x % &lt; 10</td>
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<td>CAS: 112-34-5</td>
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<td>EC: 203-961-6</td>
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</tr>
<tr>
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<td></td>
<td>R: 36</td>
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</tr>
</tbody>
</table>
### SECTION 4: FIRST AID MEASURES

As a general rule, in case of doubt or if symptoms persist, always call a doctor.

**NEVER induce swallowing by an unconscious person.**

#### 4.1. Description of first aid measures

**In the event of splashes or contact with skin:**

Remove contaminated clothing and wash the skin thoroughly with soap and water or a recognised cleaner.

Watch out for any remaining product between skin and clothing, watches, shoes, etc.

In the event of an allergic reaction, seek medical attention.

If the contaminated area is widespread and/or there is damage to the skin, a doctor must be consulted or the patient transferred to hospital.

**In the event of swallowing:**

Do not give the patient anything orally.

In the event of swallowing, if the quantity is small (no more than one mouthful), rinse the mouth with water and consult a doctor.

Seek medical attention immediately, showing the label.

#### 4.2. Most important symptoms and effects, both acute and delayed

No data available.

#### 4.3. Indication of any immediate medical attention and special treatment needed

No data available.

### SECTION 5: FIREFIGHTING MEASURES

**Non-flammable.**

#### 5.1. Extinguishing media

#### 5.2. Special hazards arising from the substance or mixture

A fire will often produce a thick black smoke. Exposure to decomposition products may be hazardous to health.

Do not breathe in smoke.

In the event of a fire, the following may be formed:

- carbon monoxide (CO)
- carbon dioxide (CO2)

#### 5.3. Advice for firefighters

No data available.
SECTION 6 : ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures
Consult the safety measures listed under headings 7 and 8.

For non fire-fighters
Avoid any contact with the skin and eyes.

For fire-fighters
Fire-fighters will be equipped with suitable personal protective equipment (See section 8).

6.2. Environmental precautions
Contain and control the leaks or spills with non-combustible absorbent materials such as sand, earth, vermiculite, diatomaceous earth in drums for waste disposal.
Prevent any material from entering drains or waterways.

6.3. Methods and material for containment and cleaning up
Clean preferably with a detergent, do not use solvents.

6.4. Reference to other sections
No data available.

SECTION 7 : HANDLING AND STORAGE
Requirements relating to storage premises apply to all facilities where the mixture is handled.

Individuals with a history of skin sensitisation should not, under any circumstance, handle this mixture.

7.1. Precautions for safe handling
Always wash hands after handling.
Remove and wash contaminated clothing before re-using.

Fire prevention :
Prevent access by unauthorised personnel.

Recommended equipment and procedures :
For personal protection, see section 8.
Observe precautions stated on label and also industrial safety regulations.

Prohibited equipment and procedures :
No smoking, eating or drinking in areas where the mixture is used.

7.2. Conditions for safe storage, including any incompatibilities
No data available.

Storage
Keep out of reach of children.

Packaging
Always keep in packaging made of an identical material to the original.

7.3. Specific end use(s)
No data available.

SECTION 8 : EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

Occupational exposure limits :

<table>
<thead>
<tr>
<th>CAS</th>
<th>VME-mg/m³</th>
<th>VME-ppm</th>
<th>VLE-mg/m³</th>
<th>VLE-ppm</th>
<th>Notes</th>
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</tr>
<tr>
<td>67-56-1</td>
<td>260</td>
<td>200</td>
<td>-</td>
<td>-</td>
<td>Peau</td>
</tr>
</tbody>
</table>

- ACGIH TLV (American Conference of Governmental Industrial Hygienists, Threshold Limit Values, 2010) :
8.2. Exposure controls

Personal protection measures, such as personal protective equipment

Pictogram(s) indicating the obligation of wearing personal protective equipment (PPE):

Use personal protective equipment that is clean and has been properly maintained.

Store personal protective equipment in a clean place, away from the work area.

Never eat, drink or smoke during use. Remove and wash contaminated clothing before re-using. Ensure that there is adequate ventilation, especially in confined areas.

- **Eye / face protection**
  
  Avoid contact with eyes.

  Use eye protectors designed to protect against liquid splashes.

  Before handling, wear safety goggles in accordance with standard EN166.

- **Hand protection**
  
  Use suitable protective gloves that are resistant to chemical agents in accordance with standard EN374.

  Gloves must be selected according to the application and duration of use at the workstation.

  Protective gloves need to be selected according to their suitability for the workstation in question: other chemical products that may be handled, necessary physical protections (cutting, pricking, heat protection), level of dexterity required.

  Type of gloves recommended:

  - Natural latex

  Recommended properties:

- **Body protection**
  
  Avoid skin contact.

  Wear suitable protective clothing.

  Suitable type of protective clothing:

  In the event of substantial spatter, wear liquid-tight protective clothing against chemical risks (type 3) in accordance with EN14605 to prevent skin contact.

  In the event of a risk of splashing, wear protective clothing against chemical risks (type 6) in accordance with EN13034 to prevent skin contact.

  Work clothing worn by personnel shall be laundered regularly.

  After contact with the product, all parts of the body that have been soiled must be washed.
SECTION 9 : PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

General information :

Physical state : viscous liquid.

Important health, safety and environmental information

pH : Not stated.
Boiling point/boiling range : not specified.
Flash point interval : not relevant.
Vapour pressure : not relevant.
Density : > 1
Water solubility : Dilutable.
Melting point/melting range : not specified.
Self-ignition temperature : not specified.
Decomposition point/decomposition range : not specified.

9.2. Other information

No data available.

SECTION 10 : STABILITY AND REACTIVITY

10.1. Reactivity

No data available.

10.2. Chemical stability

This mixture is stable under the recommended handling and storage conditions in section 7.

10.3. Possibility of hazardous reactions

No data available.

10.4. Conditions to avoid

10.5. Incompatible materials

10.6. Hazardous decomposition products

The thermal decomposition may release/form :
- carbon monoxide (CO)
- carbon dioxide (CO2)

SECTION 11 : TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects

May cause an allergic reaction by skin contact.

11.1.1. Substances

No toxicological data available for the substances.

11.1.2. Mixture

No toxicological data available for the mixture.

Monograph(s) from the IARC (International Agency for Research on Cancer) :

CAS 64-17-5 : IARC Group 1 : The agent is carcinogenic to humans.
SECTION 12 : ECOLOGICAL INFORMATION

Harmful to aquatic life with long lasting effects.
The product must not be allowed to run into drains or waterways.

12.1. Toxicity
12.1.1. Substances
No aquatic toxicity data available for the substances.

12.1.2. Mixtures
No aquatic toxicity data available for the mixture.

12.2. Persistence and degradability
No data available.

12.3. Bioaccumulative potential
No data available.

12.4. Mobility in soil
No data available.

12.5. Results of PBT and vPvB assessment
No data available.

12.6. Other adverse effects
No data available.

SECTION 13 : DISPOSAL CONSIDERATIONS

Proper waste management of the mixture and/or its container must be determined in accordance with Directive 2008/98/EC.

13.1. Waste treatment methods
Do not pour into drains or waterways.

Waste :
Waste management is carried out without endangering human health, without harming the environment and, in particular without risk to water, air, soil, plants or animals.
Recycle or dispose of waste in compliance with current legislation, preferably via a certified collector or company.
Do not contaminate the ground or water with waste, do not dispose of waste into the environment.

Soiled packaging :
Empty container completely. Keep label(s) on container.
Give to a certified disposal contractor.

SECTION 14 : TRANSPORT INFORMATION

Exempt from transport classification and labelling.

SECTION 15 : REGULATORY INFORMATION

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture
Banned from sale to the general public (EC Regulation No. 1907/2006) - For professional users only.
For professional users only.

- Particular provisions :
No data available.
- Standardised American system for the identification of hazards presented by the product in view of emergency procedures (NFPA 704):
  NFPA 704, Labelling: Health=2 Inflammability=1 Instability/Reactivity=1 Specific Risk=none

15.2. Chemical safety assessment
No data available.

SECTION 16 : OTHER INFORMATION
Since the user's working conditions are not known by us, the information supplied on this safety data sheet is based on our current level of knowledge and on national and community regulations.
The mixture must not be used for other uses than those specified in section 1 without having first obtained written handling instructions.
It is at all times the responsibility of the user to take all necessary measures to comply with legal requirements and local regulations.
The information in this safety data sheet must be regarded as a description of the safety requirements relating to the mixture and not as a guarantee of the properties thereof.

Title for H, EUH and R indications mentioned in section 3:
H225 Highly flammable liquid and vapour.
H301 Toxic if swallowed.
H311 Toxic in contact with skin.
H314 Causes severe skin burns and eye damage.
H317 May cause an allergic skin reaction.
H319 Causes serious eye irritation.
H331 Toxic if inhaled.
H370 Causes damage to organs.
H410 Very toxic to aquatic life with long lasting effects.
H411 Toxic to aquatic life with long lasting effects.
R 11 Highly flammable.
R 23/24/25 Toxic by inhalation, in contact with skin and if swallowed.
R 34 Causes burns.
R 36 Irritating to eyes.
R 39/23/24/25 Toxic: danger of very serious irreversible effects through inhalation, in contact with skin and if swallowed.
R 43 May cause sensitisation by skin contact.
R 50/53 Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R 51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Abbreviations:
ADR : European agreement concerning the international carriage of dangerous goods by Road.
IMDG : International Maritime Dangerous Goods.
IATA : International Air Transport Association.
ICAO : International Civil Aviation Organisation
RID : Regulations concerning the International carriage of Dangerous goods by rail.
GHS07 : Exclamation mark
SAFETY DATA SHEET
(REACH regulation (EC) n° 1907/2006 - n° 453/2010)

SECTION 1 : IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1. Product identifier

Product name : TINFIX DESIGN VERT DE BRONZE
Product code : N143006.075.

1.2. Relevant identified uses of the substance or mixture and uses advised against

1.3. Details of the supplier of the safety data sheet

Registered company name : Max Sauer SAS.
Address : 2 rue Lamarck.22000. Saint Brieuc.France.
Telephone : 0033(0)296682000. Fax : 0033(0)296770065.
mail@raphael.fr

1.4. Emergency telephone number : +33 (0)1 45 42 59 59.


SECTION 2 : HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

In compliance with EC regulation No. 1272/2008 and its amendments.
Skin sensitisation, Category 1 (Skin Sens. 1, H317).
Hazardous to the aquatic environment - Chronic hazard, Category 3 (Aquatic Chronic 3, H412).
This mixture does not present a physical hazard. Refer to the recommendations regarding the other products present on the site.

Skin sensitisation (Xi, R 43).
Aquatic environmental hazard, chronic toxicity: harmful (R 52/53).
This mixture does not present a physical hazard. Refer to the recommendations regarding the other products present on the site.

2.2. Label elements

In compliance with EC regulation No. 1272/2008 and its amendments.

Hazard pictograms :

GHS07
Signal Word :
WARNING
Product identifiers :

Additional labeling :
For professional use only.
H317 May cause an allergic skin reaction.
H412 Harmful to aquatic life with long lasting effects.
Precautionary statements - General :
P101 If medical advice is needed, have product container or label at hand.
P102 Keep out of reach of children.
Name: TINFIX DESIGN VERT DE BRONZE - N143006.075 Company: Max Sauer SAS

P103 Read label before use.

Precautionary statements - Prevention:
P261 Avoid breathing dust/fume/gas/mist/vapours/spray.
P272 Contaminated work clothing should not be allowed out of the workplace.
P273 Avoid release to the environment.
P280 Wear protective gloves/protective clothing/eye protection/face protection.

Precautionary statements - Response:
P302 + P352 IF ON SKIN: Wash with plenty of soap and water.
P321 Specific treatment (see ... on this label).
P333 + P313 If skin irritation or rash occurs: Get medical advice/attention.
P363 Wash contaminated clothing before reuse.

Precautionary statements - Disposal:
P501 Dispose of contents/container to ...


Hazard symbols:

- Irritant

Contains:
- ACID BLACK 194
- 2,5-DICHLORO-4-[4-[[5-[[[(DODECYCLOXY)CARBONYL]AMINO]-2-SULFONATOPHENYL]AZOL]-4,5-DIHYDRO-3-METHYL-5-0XO-1H-PYRAZOLE-1-YL]BENZENSULFONATE DE DISODIUM

Risk phrase:
- R 52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
- R 43 May cause sensitisation by skin contact.

Safety phrase:
- S 2 Keep out of the reach of children.
- S 24 Avoid contact with skin.
- S 37 Wear suitable gloves.
- S 46 If swallowed, seek medical advice immediately and show this container or label.
- S 13 Keep away from food, drink and animal feedingstuffs.


2.3. Other hazards
No data available.

SECTION 3 : COMPOSITION/INFORMATION ON INGREDIENTS

3.1. Substances
No substances fulfil the criteria set forth in annexe II section A of the REACH regulation (EC) n° 1907/2006.

3.2. Mixtures
Composition:

<table>
<thead>
<tr>
<th>Identification</th>
<th>Name</th>
<th>Classification</th>
<th>%</th>
</tr>
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<tr>
<td>INDEX: 603-096-00-8</td>
<td>2-(2-BUTOXYETHOXY)ETHANOL</td>
<td>GHS07, Wng Xi H:319 R: 36</td>
<td>2.5 &lt;= x % &lt; 10</td>
</tr>
<tr>
<td>CAS: 112-34-5</td>
<td>EC: 203-961-6</td>
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</tr>
</tbody>
</table>

- Made under licence of European Label System® MSDS software from InfoDyne - http://www.infodyne.fr -
SECTION 4 : FIRST AID MEASURES

As a general rule, in case of doubt or if symptoms persist, always call a doctor. NEVER induce swallowing by an unconscious person.

4.1. Description of first aid measures

In the event of splashes or contact with skin:
Remove contaminated clothing and wash the skin thoroughly with soap and water or a recognised cleaner.
Watch out for any remaining product between skin and clothing, watches, shoes, etc.
In the event of an allergic reaction, seek medical attention.
If the contaminated area is widespread and/or there is damage to the skin, a doctor must be consulted or the patient transferred to hospital.

In the event of swallowing:
Do not give the patient anything orally.
In the event of swallowing, if the quantity is small (no more than one mouthful), rinse the mouth with water and consult a doctor.
Seek medical attention immediately, showing the label.

4.2. Most important symptoms and effects, both acute and delayed
No data available.

4.3. Indication of any immediate medical attention and special treatment needed
No data available.

SECTION 5 : FIREFIGHTING MEASURES

Non-flammable.

5.1. Extinguishing media

5.2. Special hazards arising from the substance or mixture
A fire will often produce a thick black smoke. Exposure to decomposition products may be hazardous to health.
Do not breathe in smoke.
In the event of a fire, the following may be formed:
- carbon monoxide (CO)
- carbon dioxide (CO2)

5.3. Advice for firefighters
No data available.
SECTION 6 : ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures
Consult the safety measures listed under headings 7 and 8.

For non fire-fighters
Avoid any contact with the skin and eyes.

For fire-fighters
Fire-fighters will be equipped with suitable personal protective equipment (See section 8).

6.2. Environmental precautions
Contain and control the leaks or spills with non-combustible absorbent materials such as sand, earth, vermiculite, diatomaceous earth in drums for waste disposal.
Prevent any material from entering drains or waterways.

6.3. Methods and material for containment and cleaning up
Clean preferably with a detergent, do not use solvents.

6.4. Reference to other sections
No data available.

SECTION 7 : HANDLING AND STORAGE
Requirements relating to storage premises apply to all facilities where the mixture is handled.
Individuals with a history of skin sensitisation should not, under any circumstance, handle this mixture.

7.1. Precautions for safe handling
Always wash hands after handling.
Remove and wash contaminated clothing before re-using.

Fire prevention :
Prevent access by unauthorised personnel.

Recommended equipment and procedures :
For personal protection, see section 8.
Observe precautions stated on label and also industrial safety regulations.

Prohibited equipment and procedures :
No smoking, eating or drinking in areas where the mixture is used.

7.2. Conditions for safe storage, including any incompatibilities
No data available.

Storage
Keep out of reach of children.

Packaging
Always keep in packaging made of an identical material to the original.

7.3. Specific end use(s)
No data available.

SECTION 8 : EXPOSURE CONTROLS/PERSOANL PROTECTION

8.1. Control parameters
Occupational exposure limits :

<table>
<thead>
<tr>
<th>CAS</th>
<th>VME-mg/m³</th>
<th>VME-ppm</th>
<th>VLE-mg/m³</th>
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<tr>
<td>67-56-1</td>
<td>260</td>
<td>200</td>
<td>-</td>
<td>-</td>
<td>Peau</td>
</tr>
</tbody>
</table>

- ACGIH TLV (American Conference of Governmental Industrial Hygienists, Threshold Limit Values, 2010) :
8.2. Exposure controls

**Personal protection measures, such as personal protective equipment**

Pictogram(s) indicating the obligation of wearing personal protective equipment (PPE):

- Use personal protective equipment that is clean and has been properly maintained.
- Store personal protective equipment in a clean place, away from the work area.
- Never eat, drink or smoke during use. Remove and wash contaminated clothing before re-using. Ensure that there is adequate ventilation, especially in confined areas.

**Eye / face protection**

- Avoid contact with eyes.
- Use eye protectors designed to protect against liquid splashes.
- Before handling, wear safety goggles in accordance with standard EN166.

**Hand protection**

- Use suitable protective gloves that are resistant to chemical agents in accordance with standard EN374.
- Gloves must be selected according to the application and duration of use at the workstation.
- Protective gloves need to be selected according to their suitability for the workstation in question: other chemical products that may be handled, necessary physical protections (cutting, pricking, heat protection), level of dexterity required.
- Type of gloves recommended:
  - Natural latex
  - Impervious gloves in accordance with standard EN374

**Body protection**

- Avoid skin contact.
- Wear suitable protective clothing.
- Suitable type of protective clothing:
  - In the event of substantial spatter, wear liquid-tight protective clothing against chemical risks (type 3) in accordance with EN14605 to prevent skin contact.
  - In the event of a risk of splashing, wear protective clothing against chemical risks (type 6) in accordance with EN13034 to prevent skin contact.
- Work clothing worn by personnel shall be laundered regularly.
- After contact with the product, all parts of the body that have been soiled must be washed.

---

- Made under licence of European Label System® MSDS software from InfoDyne - http://www.infodyne.fr -
SECTION 9 : PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

General information :

Physical state : viscous liquid.

Important health, safety and environmental information

pH : Not stated.

Boiling point/boiling range : not specified.

Flash point interval : not relevant.

Vapour pressure : not relevant.

Density : > 1

Water solubility : Dilutable.

Melting point/melting range : not specified.

Self-ignition temperature : not specified.

Decomposition point/decomposition range : not specified.

9.2. Other information

No data available.

SECTION 10 : STABILITY AND REACTIVITY

10.1. Reactivity

No data available.

10.2. Chemical stability

This mixture is stable under the recommended handling and storage conditions in section 7.

10.3. Possibility of hazardous reactions

No data available.

10.4. Conditions to avoid

10.5. Incompatible materials

10.6. Hazardous decomposition products

The thermal decomposition may release/form :

- carbon monoxide (CO)
- carbon dioxide (CO2)

SECTION 11 : TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects

May cause an allergic reaction by skin contact.

11.1.1. Substances

No toxicological data available for the substances.

11.1.2. Mixture

No toxicological data available for the mixture.

Monograph(s) from the IARC (International Agency for Research on Cancer) :

CAS 64-17-5 : IARC Group 1 : The agent is carcinogenic to humans.
SECTION 12 : ECOLOGICAL INFORMATION

Harmful to aquatic life with long lasting effects. The product must not be allowed to run into drains or waterways.

12.1. Toxicity

12.1.1. Substances
No aquatic toxicity data available for the substances.

12.1.2. Mixtures
No aquatic toxicity data available for the mixture.

12.2. Persistence and degradability
No data available.

12.3. Bioaccumulative potential
No data available.

12.4. Mobility in soil
No data available.

12.5. Results of PBT and vPvB assessment
No data available.

12.6. Other adverse effects
No data available.

SECTION 13 : DISPOSAL CONSIDERATIONS

Proper waste management of the mixture and/or its container must be determined in accordance with Directive 2008/98/EC.

13.1. Waste treatment methods
Do not pour into drains or waterways.

Waste:
Waste management is carried out without endangering human health, without harming the environment and, in particular without risk to water, air, soil, plants or animals.
Recycle or dispose of waste in compliance with current legislation, preferably via a certified collector or company.
Do not contaminate the ground or water with waste, do not dispose of waste into the environment.

Soiled packaging:
Empty container completely. Keep label(s) on container.
Give to a certified disposal contractor.

SECTION 14 : TRANSPORT INFORMATION

Exempt from transport classification and labelling.

SECTION 15 : REGULATORY INFORMATION

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture
Banned from sale to the general public (EC Regulation No. 1907/2006) - For professional users only.
For professional users only.

- Particular provisions:
No data available.
- Standardised American system for the identification of hazards presented by the product in view of emergency procedures (NFPA 704):
  NFPA 704, Labelling: Health=2 Inflammability=1 Instability/Reactivity=1 Specific Risk=none

15.2. Chemical safety assessment
No data available.

SECTION 16: OTHER INFORMATION
Since the user's working conditions are not known by us, the information supplied on this safety data sheet is based on our current level of knowledge and on national and community regulations.
The mixture must not be used for other uses than those specified in section 1 without having first obtained written handling instructions.
It is at all times the responsibility of the user to take all necessary measures to comply with legal requirements and local regulations.
The information in this safety data sheet must be regarded as a description of the safety requirements relating to the mixture and not as a guarantee of the properties thereof.

Title for H, EUH and R indications mentioned in section 3:
H225 Highly flammable liquid and vapour.
H301 Toxic if swallowed.
H311 Toxic in contact with skin.
H314 Causes severe skin burns and eye damage.
H317 May cause an allergic skin reaction.
H319 Causes serious eye irritation.
H331 Toxic if inhaled.
H370 Causes damage to organs.
H410 Very toxic to aquatic life with long lasting effects.
H411 Toxic to aquatic life with long lasting effects.
R 11 Highly flammable.
R 23/24/25 Toxic by inhalation, in contact with skin and if swallowed.
R 34 Causes burns.
R 36 Irritating to eyes.
R 39/23/24/25 Toxic: danger of very serious irreversible effects through inhalation, in contact with skin and if swallowed.
R 43 May cause sensitisation by skin contact.
R 50/53 Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R 51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Abbreviations:
ADR: European agreement concerning the international carriage of dangerous goods by Road.
IMDG: International Maritime Dangerous Goods.
IATA: International Air Transport Association.
ICAO: International Civil Aviation Organisation.
RID: Regulations concerning the International carriage of Dangerous goods by rail.
GHS07: Exclamation mark
SAFETY DATA SHEET

(REACh regulation (EC) n° 1907/2006 - n° 453/2010)

SECTION 1 : IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1. Product identifier
Product name : TINFIX DESIGN BRUN DE CUIVRE
Product code : N143006.077.

1.2. Relevant identified uses of the substance or mixture and uses advised against

1.3. Details of the supplier of the safety data sheet
Registered company name : Max Sauer SAS.
Address : 2 rue Lamarck.22000.Saint Brieuc.France.
Telephone : 0033(0)296682000.     Fax : 0033(0)296770065.
mail@raphael.fr

1.4. Emergency telephone number : +33 (0)1 45 42 59 59.

SECTION 2 : HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture
In compliance with EC regulation No. 1272/2008 and its amendments.
May produce an allergic reaction (EUH208).
This mixture does not present a physical hazard. Refer to the recommendations regarding the other products present on the site.
This mixture does not present a health hazard.
This mixture does not present an environmental hazard. No known or foreseeable environmental damage under standard conditions of use.

May produce an allergic reaction.
This mixture does not present a physical hazard. Refer to the recommendations regarding the other products present on the site.
This mixture does not present a health hazard.
This mixture does not present an environmental hazard. No known or foreseeable environmental damage under standard conditions of use.

2.2. Label elements
In compliance with EC regulation No. 1272/2008 and its amendments.
Additional labeling :
EUH208 Contains ACID BLACK 194. May produce an allergic reaction.

Contains :
ACID BLACK 194. May produce an allergic reaction.

2.3. Other hazards
No data available.

SECTION 3 : COMPOSITION/INFORMATION ON INGREDIENTS

3.1. Substances
No substances fulfil the criteria set forth in annexe II section A of the REACH regulation (EC) n° 1907/2006.
3.2. Mixtures

**Composition :**

<table>
<thead>
<tr>
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<th>Name</th>
<th>Classification</th>
<th>%</th>
</tr>
</thead>
<tbody>
<tr>
<td>CAS: 57693-14-8 EC: 2602-906-9</td>
<td>ACID BLACK 194</td>
<td>GHS09, GHS07, Wng Xi,N H:317-411 R: 43-51/53</td>
<td>0 &lt;= x % &lt; 1</td>
</tr>
</tbody>
</table>

**SECTION 4 : FIRST AID MEASURES**

As a general rule, in case of doubt or if symptoms persist, always call a doctor.
NEVER induce swallowing by an unconscious person.

4.1. Description of first aid measures

In the event of exposure by inhalation :
In the event of an allergic reaction, seek medical attention.

In the event of splashes or contact with skin :
In the event of an allergic reaction, seek medical attention.

In the event of swallowing :
Seek medical attention, showing the label.

4.2. Most important symptoms and effects, both acute and delayed
No data available.

4.3. Indication of any immediate medical attention and special treatment needed
No data available.

**SECTION 5 : FIREFIGHTING MEASURES**

Non-flammable.

5.1. Extinguishing media

5.2. Special hazards arising from the substance or mixture
A fire will often produce a thick black smoke. Exposure to decomposition products may be hazardous to health.
Do not breathe in smoke.
In the event of a fire, the following may be formed :
- carbon monoxide (CO)
- carbon dioxide (CO2)

5.3. Advice for firefighters
No data available.

**SECTION 6 : ACCIDENTAL RELEASE MEASURES**

6.1. Personal precautions, protective equipment and emergency procedures
Consult the safety measures listed under headings 7 and 8.

For fire-fighters
Fire-fighters will be equipped with suitable personal protective equipment (See section 8).

6.2. Environmental precautions
Contain and control the leaks or spills with non-combustible absorbent materials such as sand, earth, vermiculite, diatomaceous earth in drums for waste disposal.
Prevent any material from entering drains or waterways.

6.3. Methods and material for containment and cleaning up
Clean preferably with a detergent, do not use solvents.
6.4. Reference to other sections
No data available.

SECTION 7 : HANDLING AND STORAGE
Requirements relating to storage premises apply to all facilities where the mixture is handled.

7.1. Precautions for safe handling
Always wash hands after handling.

Fire prevention :
Prevent access by unauthorised personnel.

Recommended equipment and procedures :
For personal protection, see section 8.
Observe precautions stated on label and also industrial safety regulations.

Prohibited equipment and procedures :
No smoking, eating or drinking in areas where the mixture is used.

7.2. Conditions for safe storage, including any incompatibilities
No data available.

Storage
Keep out of reach of children.

Packaging
Always keep in packaging made of an identical material to the original.

7.3. Specific end use(s)
No data available.

SECTION 8 : EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters
No data available.

8.2. Exposure controls

Personal protection measures, such as personal protective equipment
Pictogram(s) indicating the obligation of wearing personal protective equipment (PPE) :

Use personal protective equipment that is clean and has been properly maintained.
Store personal protective equipment in a clean place, away from the work area.
Never eat, drink or smoke during use. Remove and wash contaminated clothing before re-using. Ensure that there is adequate ventilation, especially in confined areas.

- Eye / face protection
Avoid contact with eyes.
Use eye protectors designed to protect against liquid splashes
Before handling, wear safety goggles in accordance with standard EN166.

- Hand protection
Wear suitable protective gloves in the event of prolonged or repeated skin contact.
Type of gloves recommended :
- Natural latex

- Body protection
Work clothing worn by personnel shall be laundered regularly.
After contact with the product, all parts of the body that have been soiled must be washed.
SECTION 9 : PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

General information:
- Physical state: viscous liquid.

Important health, safety and environmental information:
- pH: Not stated, slightly basic.
- Boiling point/boiling range: not specified.
- Flash point interval: not relevant.
- Vapour pressure: not relevant.
- Density: > 1
- Water solubility: Dilutable.
- Melting point/melting range: not specified.
- Self-ignition temperature: not specified.
- Decomposition point/decomposition range: not specified.

9.2. Other information:
No data available.

SECTION 10 : STABILITY AND REACTIVITY

10.1. Reactivity:
No data available.

10.2. Chemical stability:
This mixture is stable under the recommended handling and storage conditions in section 7.

10.3. Possibility of hazardous reactions:
No data available.

10.4. Conditions to avoid:

10.5. Incompatible materials:

10.6. Hazardous decomposition products:
The thermal decomposition may release/form:
- Carbon monoxide (CO)
- Carbon dioxide (CO2)

SECTION 11 : TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects:
No data available.

11.1.1. Substances:
No toxicological data available for the substances.

11.1.2. Mixture:
No toxicological data available for the mixture.

Respiratory or skin sensitisation:
Contains at least one sensitising substance. May cause an allergic reaction.

Monograph(s) from the IARC (International Agency for Research on Cancer):
CAS 64-17-5: IARC Group 1: The agent is carcinogenic to humans.
SECTION 12 : ECOLOGICAL INFORMATION

12.1. Toxicity
12.1.1. Substances
No aquatic toxicity data available for the substances.

12.1.2. Mixtures
No aquatic toxicity data available for the mixture.

12.2. Persistence and degradability
No data available.

12.3. Bioaccumulative potential
No data available.

12.4. Mobility in soil
No data available.

12.5. Results of PBT and vPvB assessment
No data available.

12.6. Other adverse effects
No data available.

SECTION 13 : DISPOSAL CONSIDERATIONS

Proper waste management of the mixture and/or its container must be determined in accordance with Directive 2008/98/EC.

13.1. Waste treatment methods
Do not pour into drains or waterways.

Waste :
Waste management is carried out without endangering human health, without harming the environment and, in particular without risk to water, air, soil, plants or animals.
Recycle or dispose of waste in compliance with current legislation, preferably via a certified collector or company.
Do not contaminate the ground or water with waste, do not dispose of waste into the environment.

Soiled packaging :
Empty container completely. Keep label(s) on container.
Give to a certified disposal contractor.

SECTION 14 : TRANSPORT INFORMATION

Exempt from transport classification and labelling.

SECTION 15 : REGULATORY INFORMATION

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

- Particular provisions :
No data available.
- Standardised American system for the identification of hazards presented by the product in view of emergency procedures (NFPA 704) :
  NFPA 704, Labelling: Health=0 Inflammability=1 Instability/Reactivity=1 Specific Risk=none

15.2. Chemical safety assessment
No data available.

SECTION 16 : OTHER INFORMATION
Since the user's working conditions are not known by us, the information supplied on this safety data sheet is based on our current level of knowledge and on national and community regulations.

The mixture must not be used for other uses than those specified in section 1 without having first obtained written handling instructions.

It is at all times the responsibility of the user to take all necessary measures to comply with legal requirements and local regulations.

The information in this safety data sheet must be regarded as a description of the safety requirements relating to the mixture and not as a guarantee of the properties thereof.

Title for H, EUH and R indications mentioned in section 3 :

H317 May cause an allergic skin reaction.
H411 Toxic to aquatic life with long lasting effects.
EUH208 Contains <name of sensitising substance>. May produce an allergic reaction.
R 43 May cause sensitisation by skin contact.
R 51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Abbreviations :
ADR : European agreement concerning the international carriage of dangerous goods by Road.
IMDG : International Maritime Dangerous Goods.
IATA : International Air Transport Association.
ICAO : International Civil Aviation Organisation.
RID : Regulations concerning the International carriage of Dangerous goods by rail.
### SAFETY DATA SHEET
(REACH regulation (EC) n° 1907/2006 - n° 453/2010)

#### SECTION 1 : IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1. Product identifier

- **Product name**: TINFIX DESIGN MAÏS
- **Product code**: N143006.081.

1.2. Relevant identified uses of the substance or mixture and uses advised against

1.3. Details of the supplier of the safety data sheet

- **Registered company name**: Max Sauer SAS.
- **Address**: 2 rue Lamarck.22000.Saint Brieuc.France.
- **Telephone**: 0033(0)296682000. **Fax**: 0033(0)296770065. **mail@raphael.fr**
- **Emergency telephone number**: +33 (0)1 45 42 59 59.

#### SECTION 2 : HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

**In compliance with EC regulation No. 1272/2008 and its amendments.**

- Skin sensitisation, Category 1 (Skin Sens. 1, H317).
- Hazardous to the aquatic environment - Chronic hazard, Category 3 (Aquatic Chronic 3, H412).

This mixture does not present a physical hazard. Refer to the recommendations regarding the other products present on the site.

**In compliance with directives 67/548/EEC, 1999/45/EC and their amendments.**

- Skin sensitisation (Xi, R 43).
- Aquatic environmental hazard, chronic toxicity: harmful (R 52/53).

This mixture does not present a physical hazard. Refer to the recommendations regarding the other products present on the site.

2.2. Label elements

**In compliance with EC regulation No. 1272/2008 and its amendments.**

**Hazard pictograms :**

| GHS07 |

**Signal Word :** WARNING

**Product identifiers :** 613-167-00-5 MIXTURE OF: 5-CHLORO-2-METHYL-4-ISOTHIAZOLIN-3-ONE [EC NO. 247-500-7] AND 2-METHYL-2HISOTHIAZOL-3-ONE [EC NO. 220-239-6] (3:1)

**For professional use only.**

**Hazard statements :**

- **H317**: May cause an allergic skin reaction.
- **H412**: Harmful to aquatic life with long lasting effects.

**Precautionary statements - General :**

- **P101**: If medical advice is needed, have product container or label at hand.
- **P102**: Keep out of reach of children.
P103 Read label before use.
Precautionary statements - Prevention:
P261 Avoid breathing dust/fume/gas/mist/vapours/spray.
P272 Contaminated work clothing should not be allowed out of the workplace.
P273 Avoid release to the environment.
P280 Wear protective gloves/protective clothing/eye protection/face protection.
Precautionary statements - Response:
P302 + P352 IF ON SKIN: Wash with plenty of soap and water.
P321 Specific treatment (see ... on this label).
P333 + P313 If skin irritation or rash occurs: Get medical advice/attention.
P363 Wash contaminated clothing before reuse.
Precautionary statements - Disposal:
P501 Dispose of contents/container to ...

Hazard symbols:

Contains:

Risk phrase:
R 52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R 43 May cause sensitisation by skin contact.

Safety phrase:
S 2 Keep out of the reach of children.
S 24 Avoid contact with skin.
S 37 Wear suitable gloves.
S 46 If swallowed, seek medical advice immediately and show this container or label.
S 13 Keep away from food, drink and animal feedingstuffs.


2.3. Other hazards
No data available.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1. Substances
No substances fulfil the criteria set forth in annexe II section A of the REACH regulation (EC) n° 1907/2006.

3.2. Mixtures
Composition:

<table>
<thead>
<tr>
<th>Identification</th>
<th>Name</th>
<th>Classification</th>
<th>%</th>
</tr>
</thead>
<tbody>
<tr>
<td>INDEX: 603-096-00-8</td>
<td>2-(2-BUTOXYETHOXY)ETHANOL</td>
<td>GHS07, Wng Xi H:319 R:36</td>
<td>1 &lt;= x % &lt; 2.5</td>
</tr>
</tbody>
</table>
SECTION 4: FIRST AID MEASURES

As a general rule, in case of doubt or if symptoms persist, always call a doctor.

NEVER induce swallowing by an unconscious person.

4.1. Description of first aid measures

In the event of splashes or contact with eyes:
Wash thoroughly with soft, clean water for 15 minutes holding the eyelids open.

In the event of splashes or contact with skin:
Remove contaminated clothing and wash the skin thoroughly with soap and water or a recognised cleaner.
Watch out for any remaining product between skin and clothing, watches, shoes, etc.
In the event of an allergic reaction, seek medical attention.
If the contaminated area is widespread and/or there is damage to the skin, a doctor must be consulted or the patient transferred to hospital.

In the event of swallowing:
Do not give the patient anything orally.
In the event of swallowing, if the quantity is small (no more than one mouthful), rinse the mouth with water and consult a doctor.
Keep the person exposed at rest. Do not force vomiting.
Seek medical attention immediately, showing the label.
If swallowed accidentally, call a doctor to ascertain whether observation and hospital care will be necessary. Show the label.

4.2. Most important symptoms and effects, both acute and delayed
No data available.

4.3. Indication of any immediate medical attention and special treatment needed
No data available.

SECTION 5: FIREFIGHTING MEASURES

Non-flammable.

5.1. Extinguishing media

Suitable methods of extinction
In the event of a fire, use:
- sprayed water or water mist
- foam
- multipurpose ABC powder
- BC powder
- carbon dioxide (CO2)

Unsuitable methods of extinction
In the event of a fire, do not use:
- water jet
5.2. Special hazards arising from the substance or mixture
A fire will often produce a thick black smoke. Exposure to decomposition products may be hazardous to health.
Do not breathe in smoke.
In the event of a fire, the following may be formed:
- carbon monoxide (CO)
- carbon dioxide (CO2)

5.3. Advice for firefighters
No data available.

SECTION 6 : ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures
Consult the safety measures listed under headings 7 and 8.

For non fire-fighters
Avoid any contact with the skin and eyes.

For fire-fighters
Fire-fighters will be equipped with suitable personal protective equipment (See section 8).

6.2. Environmental precautions
Contain and control the leaks or spills with non-combustible absorbent materials such as sand, earth, vermiculite, diatomaceous earth in drums for waste disposal.
Prevent any material from entering drains or waterways.

6.3. Methods and material for containment and cleaning up
Clean preferably with a detergent, do not use solvents.

6.4. Reference to other sections
No data available.

SECTION 7 : HANDLING AND STORAGE

Requirements relating to storage premises apply to all facilities where the mixture is handled.

Individuals with a history of skin sensitisation should not, under any circumstance, handle this mixture.

7.1. Precautions for safe handling
Always wash hands after handling.
Remove and wash contaminated clothing before re-using.
Ensure that there is adequate ventilation, especially in confined areas.

Fire prevention:
Handle in well-ventilated areas.
Prevent access by unauthorised personnel.

Recommended equipment and procedures:
For personal protection, see section 8.
Observe precautions stated on label and also industrial safety regulations.
Packages which have been opened must be reclosed carefully and stored in an upright position.

Prohibited equipment and procedures:
No smoking, eating or drinking in areas where the mixture is used.

7.2. Conditions for safe storage, including any incompatibilities
No data available.

Storage
Keep out of reach of children.
Keep the container tightly closed in a dry, well-ventilated place
The floor must be impermeable and form a collecting basin so that, in the event of an accidental spillage, the liquid cannot spread beyond this area.
Packaging
Always keep in packaging made of an identical material to the original.

7.3. Specific end use(s)
No data available.

SECTION 8 : EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

Occupational exposure limits :
  
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<th>CAS</th>
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<th>VLE-mg/m³</th>
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<td>101.2</td>
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<td>200</td>
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<th>STEL :</th>
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<th>Definition :</th>
<th>Criteria :</th>
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</tr>
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- Germany - AGW (BAuA - TRGS 900, 21/06/2010) :
  
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<td>-</td>
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- France (INRS - ED984 :2008) :
  
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<td>250 ppm</td>
<td>-</td>
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</tbody>
</table>

8.2. Exposure controls

Personal protection measures, such as personal protective equipment

Pictogram(s) indicating the obligation of wearing personal protective equipment (PPE) :

- Eye / face protection
  Avoid contact with eyes.
  Use eye protectors designed to protect against liquid splashes
  Before handling, wear safety goggles in accordance with standard EN166.

- Hand protection
  Use suitable protective gloves that are resistant to chemical agents in accordance with standard EN374.
  Gloves must be selected according to the application and duration of use at the workstation.
  Protective gloves need to be selected according to their suitability for the workstation in question : other chemical products that may be handled, necessary physical protections (cutting, pricking, heat protection), level of dexterity required.
  Type of gloves recommended :
    - PVA (Polyvinyl alcohol)
  Recommended properties :
    - Impervious gloves in accordance with standard EN374
- Body protection
  Avoid skin contact.
  Wear suitable protective clothing.
  Suitable type of protective clothing:
  In the event of substantial spatter, wear liquid-tight protective clothing against chemical risks (type 3) in accordance with EN14605 to prevent skin contact.
  In the event of a risk of splashing, wear protective clothing against chemical risks (type 6) in accordance with EN13034 to prevent skin contact.
  Work clothing worn by personnel shall be laundered regularly.
  After contact with the product, all parts of the body that have been soiled must be washed.

SECTION 9 : PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

<table>
<thead>
<tr>
<th>Physical state</th>
<th>Viscous liquid.</th>
</tr>
</thead>
<tbody>
<tr>
<td>pH</td>
<td>Not stated.</td>
</tr>
<tr>
<td></td>
<td>Neutral.</td>
</tr>
<tr>
<td>Boiling point/boiling range</td>
<td>Not specified.</td>
</tr>
<tr>
<td>Flash point interval</td>
<td>Not relevant.</td>
</tr>
<tr>
<td>Vapour pressure</td>
<td>Below 110 kPa (1.10 bar).</td>
</tr>
<tr>
<td>Density</td>
<td>&gt; 1</td>
</tr>
<tr>
<td>Water solubility</td>
<td>Insoluble.</td>
</tr>
<tr>
<td>Melting point/melting range</td>
<td>Not specified.</td>
</tr>
<tr>
<td>Self-ignition temperature</td>
<td>Not specified.</td>
</tr>
</tbody>
</table>

9.2. Other information

No data available.

SECTION 10 : STABILITY AND REACTIVITY

10.1. Reactivity

No data available.

10.2. Chemical stability

This mixture is stable under the recommended handling and storage conditions in section 7.

10.3. Possibility of hazardous reactions

When exposed to high temperatures, the mixture can release hazardous decomposition products, such as carbon monoxide and dioxide, fumes and nitrogen oxide.

10.4. Conditions to avoid

10.5. Incompatible materials

10.6. Hazardous decomposition products

The thermal decomposition may release/form:
- carbon monoxide (CO)
- carbon dioxide (CO2)
SECTION 11: TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects
Exposure to vapours from solvents in the mixture in excess of the stated occupational exposure limit may result in adverse health effects such as mucous membrane and respiratory system irritation and adverse effects on kidney, liver and central nervous system. Symptoms produced will include headaches, numbness, dizziness, fatigue, muscular asthenia and, in extreme cases, loss of consciousness.
Splashes in the eyes may cause irritation and reversible damage
May cause an allergic reaction by skin contact.

11.1.1. Substances
No toxicological data available for the substances.

11.1.2. Mixture
No toxicological data available for the mixture.

Monograph(s) from the IARC (International Agency for Research on Cancer):
CAS 64-17-5: IARC Group 1: The agent is carcinogenic to humans.

SECTION 12: ECOLOGICAL INFORMATION

12.1. Toxicity
12.1.1. Substances
No aquatic toxicity data available for the substances.

12.1.2. Mixtures
No aquatic toxicity data available for the mixture.

12.2. Persistence and degradability
No data available.

12.3. Bioaccumulative potential
No data available.

12.4. Mobility in soil
No data available.

12.5. Results of PBT and vPvB assessment
No data available.

12.6. Other adverse effects
No data available.

SECTION 13: DISPOSAL CONSIDERATIONS

Proper waste management of the mixture and/or its container must be determined in accordance with Directive 2008/98/EC.

13.1. Waste treatment methods
Do not pour into drains or waterways.

Waste:
Waste management is carried out without endangering human health, without harming the environment and, in particular without risk to water, air, soil, plants or animals.
Recycle or dispose of waste in compliance with current legislation, preferably via a certified collector or company.
Do not contaminate the ground or water with waste, do not dispose of waste into the environment.

Soiled packaging:
Empty container completely. Keep label(s) on container.
Give to a certified disposal contractor.
SECTION 14 : TRANSPORT INFORMATION

Exempt from transport classification and labelling.

SECTION 15 : REGULATORY INFORMATION

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture
Banned from sale to the general public (EC Regulation No. 1907/2006) - For professional users only.
For professional users only.
- Particular provisions:
  No data available.
- Standardised American system for the identification of hazards presented by the product in view of emergency procedures (NFPA 704):
  NFPA 704, Labelling: Health=2 Inflammability=1 Instability/Reactivity=1 Specific Risk=none

15.2. Chemical safety assessment
No data available.

SECTION 16 : OTHER INFORMATION

Since the user's working conditions are not known by us, the information supplied on this safety data sheet is based on our current level of knowledge and on national and community regulations.
The mixture must not be used for other uses than those specified in section 1 without having first obtained written handling instructions.
It is at all times the responsibility of the user to take all necessary measures to comply with legal requirements and local regulations.
The information in this safety data sheet must be regarded as a description of the safety requirements relating to the mixture and not as a guarantee of the properties thereof.

Title for H, EUH and R indications mentioned in section 3:

H225 Highly flammable liquid and vapour.
H301 Toxic if swallowed.
H311 Toxic in contact with skin.
H314 Causes severe skin burns and eye damage.
H317 May cause an allergic skin reaction.
H319 Causes serious eye irritation.
H331 Toxic if inhaled.
H370 Causes damage to organs.
H410 Very toxic to aquatic life with long lasting effects.
R11 Highly flammable.
R23/24/25 Toxic by inhalation, in contact with skin and if swallowed.
R34 Causes burns.
R36 Irritating to eyes.
R39/23/24/25 Toxic: danger of very serious irreversible effects through inhalation, in contact with skin and if swallowed.
R43 May cause sensitisation by skin contact.
R 50/53 Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

**Abbreviations:**
ADR: European agreement concerning the international carriage of dangerous goods by Road.
IMDG: International Maritime Dangerous Goods.
IATA: International Air Transport Association.
ICAO: International Civil Aviation Organisation.
RID: Regulations concerning the International carriage of Dangerous goods by rail.
GHS07: Exclamation mark.
SAFETY DATA SHEET
(REACH regulation (EC) n° 1907/2006 - n° 453/2010)

SECTION 1 : IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1. Product identifier
   Product name : TINIFIX DESIGN BRUN DORÉ
   Product code : N143006.082.

1.2. Relevant identified uses of the substance or mixture and uses advised against

1.3. Details of the supplier of the safety data sheet
   Registered company name : Max Sauer SAS.
   Address : 2 rue Lamarck.22000.Saint Brieuc.France.
   Telephone : 0033(0)296682000.     Fax : 0033(0)296770065.
   mail@raphael.fr

1.4. Emergency telephone number : +33 (0)1 45 42 59 59.

SECTION 2 : HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture
   In compliance with EC regulation No. 1272/2008 and its amendments.
   May produce an allergic reaction (EUH208).
   This mixture does not present a physical hazard. Refer to the recommendations regarding the other products present on the site.
   This mixture does not present a health hazard.
   This mixture does not present an environmental hazard. No known or foreseeable environmental damage under standard conditions of use.

   May produce an allergic reaction.
   This mixture does not present a physical hazard. Refer to the recommendations regarding the other products present on the site.
   This mixture does not present a health hazard.
   This mixture does not present an environmental hazard. No known or foreseeable environmental damage under standard conditions of use.

2.2. Label elements
   In compliance with EC regulation No. 1272/2008 and its amendments.
   Additional labeling :
   EUH208   Contains ACID BLACK 194. May produce an allergic reaction.

   Contains :
   Contains EC   ACID BLACK 194. May produce an allergic reaction.
   2602-906-9

2.3. Other hazards
   No data available.

SECTION 3 : COMPOSITION/INFORMATION ON INGREDIENTS

3.1. Substances
   No substances fulfil the criteria set forth in annexe II section A of the REACH regulation (EC) n° 1907/2006.
3.2. Mixtures
Composition:

<table>
<thead>
<tr>
<th>Identification</th>
<th>Name</th>
<th>Classification</th>
<th>%</th>
</tr>
</thead>
<tbody>
<tr>
<td>CAS: 57693-14-8</td>
<td>ACID BLACK 194</td>
<td>GHS09, GHS07,</td>
<td>0 &lt;= x % &lt; 1</td>
</tr>
<tr>
<td>EC: 2602-906-9</td>
<td></td>
<td>Wng Xi,N H:317-411 R: 43-51/53</td>
<td></td>
</tr>
</tbody>
</table>

SECTION 4 : FIRST AID MEASURES

As a general rule, in case of doubt or if symptoms persist, always call a doctor.
NEVER induce swallowing by an unconscious person.

4.1. Description of first aid measures

In the event of exposure by inhalation:
In the event of an allergic reaction, seek medical attention.

In the event of splashes or contact with eyes:
Wash thoroughly with soft, clean water for 15 minutes holding the eyelids open.

In the event of splashes or contact with skin:
In the event of an allergic reaction, seek medical attention.

In the event of swallowing:
In the event of swallowing, if the quantity is small (no more than one mouthful), rinse the mouth with water and consult a doctor.
Keep the person exposed at rest. Do not force vomiting.
Seek medical attention, showing the label.
If swallowed accidentally, call a doctor to ascertain whether observation and hospital care will be necessary. Show the label.

4.2. Most important symptoms and effects, both acute and delayed
No data available.

4.3. Indication of any immediate medical attention and special treatment needed
No data available.

SECTION 5 : FIREFIGHTING MEASURES

Non-flammable.

5.1. Extinguishing media

Suitable methods of extinction
In the event of a fire, use:
- sprayed water or water mist
- foam
- multipurpose ABC powder
- BC powder
- carbon dioxide (CO2)

Unsuitable methods of extinction
In the event of a fire, do not use:
- water jet

5.2. Special hazards arising from the substance or mixture
A fire will often produce a thick black smoke. Exposure to decomposition products may be hazardous to health.
Do not breathe in smoke.
In the event of a fire, the following may be formed:
- carbon monoxide (CO)
- carbon dioxide (CO2)
5.3. Advice for firefighters
No data available.

SECTION 6 : ACCIDENTAL RELEASE MEASURES
6.1. Personal precautions, protective equipment and emergency procedures
Consult the safety measures listed under headings 7 and 8.

For fire-fighters
Fire-fighters will be equipped with suitable personal protective equipment (See section 8).

6.2. Environmental precautions
Contain and control the leaks or spills with non-combustible absorbent materials such as sand, earth, vermiculite, diatomaceous earth in drums for waste disposal.
Prevent any material from entering drains or waterways.

6.3. Methods and material for containment and cleaning up
Clean preferably with a detergent, do not use solvents.

6.4. Reference to other sections
No data available.

SECTION 7 : HANDLING AND STORAGE
Requirements relating to storage premises apply to all facilities where the mixture is handled.

7.1. Precautions for safe handling
Always wash hands after handling.
Ensure that there is adequate ventilation, especially in confined areas.

Fire prevention :
Handle in well-ventilated areas.
Prevent access by unauthorised personnel.

Recommended equipment and procedures :
For personal protection, see section 8.
Observe precautions stated on label and also industrial safety regulations.
Packages which have been opened must be reclosed carefully and stored in an upright position.

Prohibited equipment and procedures :
No smoking, eating or drinking in areas where the mixture is used.

7.2. Conditions for safe storage, including any incompatibilities
No data available.

Storage
Keep out of reach of children.
Keep the container tightly closed in a dry, well-ventilated place
The floor must be impermeable and form a collecting basin so that, in the event of an accidental spillage, the liquid cannot spread beyond this area.

Packaging
Always keep in packaging made of an identical material to the original.

7.3. Specific end use(s)
No data available.

SECTION 8 : EXPOSURE CONTROLS/PERSONAL PROTECTION
8.1. Control parameters
No data available.

8.2. Exposure controls
Personal protection measures, such as personal protective equipment
Pictogram(s) indicating the obligation of wearing personal protective equipment (PPE):

- Use personal protective equipment that is clean and has been properly maintained.
- Store personal protective equipment in a clean place, away from the work area.
- Never eat, drink or smoke during use. Remove and wash contaminated clothing before re-using. Ensure that there is adequate ventilation, especially in confined areas.

- **Eye / face protection**
  - Avoid contact with eyes.
  - Use eye protectors designed to protect against liquid splashes.
  - Before handling, wear safety goggles in accordance with standard EN166.

- **Hand protection**
  - Wear suitable protective gloves in the event of prolonged or repeated skin contact.
  - Type of gloves recommended:
    - PVA (Polyvinyl alcohol)

- **Body protection**
  - Work clothing worn by personnel shall be laundered regularly.
  - After contact with the product, all parts of the body that have been soiled must be washed.

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**SECTION 9 : PHYSICAL AND CHEMICAL PROPERTIES**

9.1. Information on basic physical and chemical properties

**General information:**

<table>
<thead>
<tr>
<th>Physical state</th>
<th>Viscous liquid</th>
</tr>
</thead>
</table>

**Important health, safety and environmental information**

<table>
<thead>
<tr>
<th>pH</th>
<th>Not stated.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Physical state</td>
<td>Viscous liquid</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Boiling point/boiling range</th>
<th>Not specified.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Flash point interval</td>
<td>Not relevant.</td>
</tr>
<tr>
<td>Vapour pressure</td>
<td>Below 110 kPa (1.10 bar).</td>
</tr>
<tr>
<td>Density</td>
<td>&gt; 1</td>
</tr>
<tr>
<td>Water solubility</td>
<td>Insoluble.</td>
</tr>
<tr>
<td>Melting point/melting range</td>
<td>Not specified.</td>
</tr>
<tr>
<td>Self-ignition temperature</td>
<td>Not specified.</td>
</tr>
<tr>
<td>Decomposition point/dec.</td>
<td>Not specified.</td>
</tr>
</tbody>
</table>

9.2. Other information

No data available.

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**SECTION 10 : STABILITY AND REACTIVITY**

10.1. Reactivity

No data available.

10.2. Chemical stability

This mixture is stable under the recommended handling and storage conditions in section 7.

10.3. Possibility of hazardous reactions

When exposed to high temperatures, the mixture can release hazardous decomposition products, such as carbon monoxide and dioxide, fumes and nitrogen oxide.

10.4. Conditions to avoid

10.5. Incompatible materials
10.6. Hazardous decomposition products
The thermal decomposition may release/form:
- carbon monoxide (CO)
- carbon dioxide (CO2)

SECTION 11 : TOXICOLOGICAL INFORMATION
11.1. Information on toxicological effects
Splashes in the eyes may cause irritation and reversible damage

11.1.1. Substances
No toxicological data available for the substances.

11.1.2. Mixture
No toxicological data available for the mixture.

Respiratory or skin sensitisation:
Contains at least one sensitising substance. May cause an allergic reaction.

Monograph(s) from the IARC (International Agency for Research on Cancer):
CAS 64-17-5: IARC Group 1: The agent is carcinogenic to humans.

SECTION 12 : ECOLOGICAL INFORMATION
12.1. Toxicity
12.1.1. Substances
No aquatic toxicity data available for the substances.

12.1.2. Mixtures
No aquatic toxicity data available for the mixture.

12.2. Persistence and degradability
No data available.

12.3. Bioaccumulative potential
No data available.

12.4. Mobility in soil
No data available.

12.5. Results of PBT and vPvB assessment
No data available.

12.6. Other adverse effects
No data available.

SECTION 13 : DISPOSAL CONSIDERATIONS
Proper waste management of the mixture and/or its container must be determined in accordance with Directive 2008/98/EC.

13.1. Waste treatment methods
Do not pour into drains or waterways.

Waste:
Waste management is carried out without endangering human health, without harming the environment and, in particular without risk to water, air, soil, plants or animals.
Recycle or dispose of waste in compliance with current legislation, preferably via a certified collector or company.
Do not contaminate the ground or water with waste, do not dispose of waste into the environment.

Soiled packaging:
Empty container completely. Keep label(s) on container.
Give to a certified disposal contractor.
SECTION 14: TRANSPORT INFORMATION
Exempt from transport classification and labelling.

SECTION 15: REGULATORY INFORMATION
15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture
- Particular provisions:
  No data available.
- Standardised American system for the identification of hazards presented by the product in view of emergency procedures (NFPA 704):
  NFPA 704, Labelling: Health=0 Inflammability=1 Instability/Reactivity=1 Specific Risk=none

15.2. Chemical safety assessment
No data available.

SECTION 16: OTHER INFORMATION
Since the user’s working conditions are not known by us, the information supplied on this safety data sheet is based on our current level of knowledge and on national and community regulations.
The mixture must not be used for other uses than those specified in section 1 without having first obtained written handling instructions.
It is at all times the responsibility of the user to take all necessary measures to comply with legal requirements and local regulations.
The information in this safety data sheet must be regarded as a description of the safety requirements relating to the mixture and not as a guarantee of the properties thereof.

Title for H, EUH and R indications mentioned in section 3:
- H317 May cause an allergic skin reaction.
- H411 Toxic to aquatic life with long lasting effects.
- EUH208 Contains <name of sensitising substance>. May produce an allergic reaction.
- R 43 May cause sensitisation by skin contact.
- R 51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Abbreviations:
- ADR : European agreement concerning the international carriage of dangerous goods by Road.
- IATA : International Air Transport Association.
- ICAO : International Civil Aviation Organisation
- RID : Regulations concerning the International carriage of Dangerous goods by rail.
SAFETY DATA SHEET
(REACH regulation (EC) n° 1907/2006 - n° 453/2010)

SECTION 1 : IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1. Product identifier
Product name: TINFIX DESIGN BRUN HELIOS
Product code: N143006.083.

1.2. Relevant identified uses of the substance or mixture and uses advised against

1.3. Details of the supplier of the safety data sheet
Registered company name: Max Sauer SAS.
Address: 2 rue Lamarck. 22000. Saint Brieuc. France.
Telephone: 0033(0)296682000. Fax: 0033(0)296770065.
mail@raphael.fr

1.4. Emergency telephone number: +33 (0)1 45 42 59 59.

SECTION 2 : HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture
In compliance with EC regulation No. 1272/2008 and its amendments.
This mixture does not present a physical hazard. Refer to the recommendations regarding the other products present on the site.
This mixture does not present a health hazard.
This mixture does not present an environmental hazard. No known or foreseeable environmental damage under standard conditions of use.

This mixture does not present a physical hazard. Refer to the recommendations regarding the other products present on the site.
This mixture does not present a health hazard.
This mixture does not present an environmental hazard. No known or foreseeable environmental damage under standard conditions of use.

2.2. Label elements
In compliance with EC regulation No. 1272/2008 and its amendments.
No labelling requirements for this mixture.

No labelling requirements for this mixture.

2.3. Other hazards
No data available.

SECTION 3 : COMPOSITION/INFORMATION ON INGREDIENTS

3.1. Substances
No substances fulfil the criteria set forth in annexe II section A of the REACH regulation (EC) n° 1907/2006.

3.2. Mixtures
No substances fulfil the criteria set forth in annexe II section A of the REACH regulation (EC) n° 1907/2006.
SECTION 4 : FIRST AID MEASURES

As a general rule, in case of doubt or if symptoms persist, always call a doctor.

NEVER induce swallowing by an unconscious person.

4.1. Description of first aid measures

In the event of swallowing:
Seek medical attention, showing the label.

4.2. Most important symptoms and effects, both acute and delayed

No data available.

4.3. Indication of any immediate medical attention and special treatment needed

No data available.

SECTION 5 : FIREFIGHTING MEASURES

Non-flammable.

5.1. Extinguishing media

5.2. Special hazards arising from the substance or mixture

A fire will often produce a thick black smoke. Exposure to decomposition products may be hazardous to health.

Do not breathe in smoke.

In the event of a fire, the following may be formed:
- carbon monoxide (CO)
- carbon dioxide (CO2)

5.3. Advice for firefighters

No data available.

SECTION 6 : ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

Consult the safety measures listed under headings 7 and 8.

For fire-fighters

Fire-fighters will be equipped with suitable personal protective equipment (See section 8).

6.2. Environmental precautions

Contain and control the leaks or spills with non-combustible absorbent materials such as sand, earth, vermiculite, diatomaceous earth in drums for waste disposal.

Prevent any material from entering drains or waterways.

6.3. Methods and material for containment and cleaning up

Clean preferably with a detergent, do not use solvents.

6.4. Reference to other sections

No data available.

SECTION 7 : HANDLING AND STORAGE

Requirements relating to storage premises apply to all facilities where the mixture is handled.

7.1. Precautions for safe handling

Always wash hands after handling.

Fire prevention:

Prevent access by unauthorised personnel.

Recommended equipment and procedures:

For personal protection, see section 8.

Observe precautions stated on label and also industrial safety regulations.
Prohibited equipment and procedures:
No smoking, eating or drinking in areas where the mixture is used.

7.2. Conditions for safe storage, including any incompatibilities
No data available.

Storage
Keep out of reach of children.

Packaging
Always keep in packaging made of an identical material to the original.

7.3. Specific end use(s)
No data available.

SECTION 8 : EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters
No data available.

8.2. Exposure controls

Personal protection measures, such as personal protective equipment

Pictogram(s) indicating the obligation of wearing personal protective equipment (PPE):

Use personal protective equipment that is clean and has been properly maintained.
Store personal protective equipment in a clean place, away from the work area.
Never eat, drink or smoke during use. Remove and wash contaminated clothing before re-using. Ensure that there is adequate ventilation, especially in confined areas.

- Eye / face protection
Avoid contact with eyes.
Use eye protectors designed to protect against liquid splashes
Before handling, wear safety goggles in accordance with standard EN166.

- Hand protection
Wear suitable protective gloves in the event of prolonged or repeated skin contact.
Type of gloves recommended:
- Natural latex

- Body protection
Work clothing worn by personnel shall be laundered regularly.
After contact with the product, all parts of the body that have been soiled must be washed.

SECTION 9 : PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

General information:
Physical state: viscous liquid.

Important health, safety and environmental information
pH: Not stated.
slightly basic.
Boiling point/boiling range: not specified.
Flash point interval: not relevant.
Vapour pressure: not relevant.
Density: > 1
Water solubility: Dilutable.
9.2. Other information
No data available.

SECTION 10 : STABILITY AND REACTIVITY

10.1. Reactivity
No data available.

10.2. Chemical stability
This mixture is stable under the recommended handling and storage conditions in section 7.

10.3. Possibility of hazardous reactions
No data available.

10.4. Conditions to avoid

10.5. Incompatible materials

10.6. Hazardous decomposition products
The thermal decomposition may release/form:
- carbon monoxide (CO)
- carbon dioxide (CO2)

SECTION 11 : TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects
No data available.

11.1.1. Substances
No toxicological data available for the substances.

11.1.2. Mixture
No toxicological data available for the mixture.

Monograph(s) from the IARC (International Agency for Research on Cancer):
CAS 64-17-5 : IARC Group 1 : The agent is carcinogenic to humans.

SECTION 12 : ECOLOGICAL INFORMATION

12.1. Toxicity

12.1.1. Substances
No aquatic toxicity data available for the substances.

12.1.2. Mixtures
No aquatic toxicity data available for the mixture.

12.2. Persistence and degradability
No data available.

12.3. Bioaccumulative potential
No data available.

12.4. Mobility in soil
No data available.

12.5. Results of PBT and vPvB assessment
No data available.
12.6. Other adverse effects
No data available.

SECTION 13 : DISPOSAL CONSIDERATIONS
Proper waste management of the mixture and/or its container must be determined in accordance with Directive 2008/98/EC.

13.1. Waste treatment methods
Do not pour into drains or waterways.

Waste:
Waste management is carried out without endangering human health, without harming the environment and, in particular without risk to water, air, soil, plants or animals.
Recycle or dispose of waste in compliance with current legislation, preferably via a certified collector or company.
Do not contaminate the ground or water with waste, do not dispose of waste into the environment.

Soiled packaging:
Empty container completely. Keep label(s) on container.
Give to a certified disposal contractor.

SECTION 14 : TRANSPORT INFORMATION
Exempt from transport classification and labelling.

SECTION 15 : REGULATORY INFORMATION
15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture
- Particular provisions:
No data available.
- Standardised American system for the identification of hazards presented by the product in view of emergency procedures (NFPA 704):
NFPA 704, Labelling: Health=0 Inflammability=1 Instability/Reactivity=1 Specific Risk=none

15.2. Chemical safety assessment
No data available.

SECTION 16 : OTHER INFORMATION
Since the user’s working conditions are not known by us, the information supplied on this safety data sheet is based on our current level of knowledge and on national and community regulations.

The mixture must not be used for other uses than those specified in section 1 without having first obtained written handling instructions.

It is at all times the responsibility of the user to take all necessary measures to comply with legal requirements and local regulations.
The information in this safety data sheet must be regarded as a description of the safety requirements relating to the mixture and not as a guarantee of the properties thereof.

Abbreviations:
ADR: European agreement concerning the international carriage of dangerous goods by Road.
IMDG: International Maritime Dangerous Goods.
IATA: International Air Transport Association.
ICAO : International Civil Aviation Organisation
RID : Regulations concerning the International carriage of Dangerous goods by rail.
SAFETY DATA SHEET
(REACH regulation (EC) n° 1907/2006 - n° 453/2010)

SECTION 1 : IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1. Product identifier
Product name : TINFIX DESIGN OCRE D'ARAGON
Product code : N143006.085.

1.2. Relevant identified uses of the substance or mixture and uses advised against

1.3. Details of the supplier of the safety data sheet
Registered company name : Max Sauer SAS.
Address : 2 rue Lamarck.22000.Saint Brieuc.France.
Telephone : 0033(0)296682000. Fax : 0033(0)296770065.
mail@raphael.fr

1.4. Emergency telephone number : +33 (0)1 45 42 59 59.

SECTION 2 : HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture
In compliance with EC regulation No. 1272/2008 and its amendments.
Respiratory sensitisation, Category 1 (Resp. Sens. 1, H334).
Skin sensitisation, Category 1 (Skin Sens. 1, H317).
This mixture does not present a physical hazard. Refer to the recommendations regarding the other products present on the site.
This mixture does not present an environmental hazard. No known or foreseeable environmental damage under standard conditions of use.

Respiratory sensitisation (Xi, R 42).
Skin sensitisation (Xi, R 43).
This mixture does not present a physical hazard. Refer to the recommendations regarding the other products present on the site.
This mixture does not present an environmental hazard. No known or foreseeable environmental damage under standard conditions of use.

2.2. Label elements
In compliance with EC regulation No. 1272/2008 and its amendments.
Hazard pictograms :
GHS08
Signal Word : DANGER
Product identifiers :
H317 May cause an allergic skin reaction.
H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.

Precautionary statements - General:
P101 If medical advice is needed, have product container or label at hand.
P102 Keep out of reach of children.
P103 Read label before use.

Precautionary statements - Prevention:
P261 Avoid breathing dust/fume/gas/mist/vapours/spray.
P272 Contaminated work clothing should not be allowed out of the workplace.
P280 Wear protective gloves/protective clothing/eye protection/face protection.
P285 In case of inadequate ventilation wear respiratory protection.

Precautionary statements - Response:
P302 + P352 IF ON SKIN: Wash with plenty of soap and water.
P304 + P341 IF INHALED: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing.
P321 Specific treatment (see ... on this label).
P333 + P313 If skin irritation or rash occurs: Get medical advice/attention.
P342 + P311 If experiencing respiratory symptoms: Call a POISON CENTER or doctor/physician.
P363 Wash contaminated clothing before reuse.

Precautionary statements - Disposal:
P501 Dispose of contents/container to ...


Hazard symbols:

Contains:

Risk phrase:
R 42/43 May cause sensitization by inhalation and skin contact.

Safety phrase:
S 1/2 Keep locked up and out of the reach of children.
S 23 Ne pas respirer les gaz.
S 23 Ne pas respirer les fumées.
S 23 Ne pas respirer les vapeurs.
S 23 Ne as respirer les aérosols.
S 24 Avoid contact with skin.
S 37 Wear suitable gloves.
S 45 In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).
S 46 If swallowed, seek medical advice immediately and show this container or label.
S 63 In case of accident by inhalation: remove casualty to fresh air and keep at rest.
S 13 Keep away from food, drink and animal feedingstuffs.
S 20 When using do not eat or drink.
2.3. Other hazards
No data available.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1. Substances
No substances fulfil the criteria set forth in annexe II section A of the REACH regulation (EC) n° 1907/2006.

3.2. Mixtures
Composition:

<table>
<thead>
<tr>
<th>Identification</th>
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<td>METHANOL</td>
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<td>CAS: 67-56-1</td>
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<td>T,F</td>
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<tr>
<td>EC: 200-659-6</td>
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<td>H:225-331-311-301-370</td>
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<td></td>
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<td>R: 11-23/24/25-39/23/24/25</td>
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<tr>
<td>INDEX: 613-167-00-5</td>
<td>MIXTURE OF: 5-CHLORO-2-METHYL-4-ISOTHIAZOLIN-3-ONE [EC NO. 247-500-7] AND 2-METHYL-2HISOTHIAZOL-3-ONE [EC NO. 220-239-6] (3:1)</td>
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<td>H:331-311-314.1B-317-410</td>
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</tr>
<tr>
<td></td>
<td></td>
<td>R: 23/24/25-34-43-50/53</td>
<td></td>
</tr>
</tbody>
</table>

SECTION 4: FIRST AID MEASURES

As a general rule, in case of doubt or if symptoms persist, always call a doctor. NEVER induce swallowing by an unconscious person.

4.1. Description of first aid measures
In the event of exposure by inhalation:
In the event of massive inhalation, remove the person exposed to fresh air. Keep warm and at rest. If breathing is irregular or has stopped, effect mouth-to-mouth resuscitation and call a doctor. In the event of an allergic reaction, seek medical attention.

In the event of splashes or contact with skin:
Remove contaminated clothing and wash the skin thoroughly with soap and water or a recognised cleaner. Watch out for any remaining product between skin and clothing, watches, shoes, etc. In the event of an allergic reaction, seek medical attention. If the contaminated area is widespread and/or there is damage to the skin, a doctor must be consulted or the patient transferred to hospital.

In the event of swallowing:
Do not give the patient anything orally. In the event of swallowing, if the quantity is small (no more than one mouthful), rinse the mouth with water and consult a doctor. Seek medical attention immediately, showing the label.

4.2. Most important symptoms and effects, both acute and delayed
No data available.

4.3. Indication of any immediate medical attention and special treatment needed
No data available.

SECTION 5: FIREFIGHTING MEASURES
Non-flammable.

5.1. Extinguishing media
5.2. Special hazards arising from the substance or mixture
A fire will often produce a thick black smoke. Exposure to decomposition products may be hazardous to health.
Do not breathe in smoke.
In the event of a fire, the following may be formed:
- carbon monoxide (CO)
- carbon dioxide (CO2)

5.3. Advice for firefighters
No data available.

SECTION 6 : ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures
Consult the safety measures listed under headings 7 and 8.

For non fire-fighters
Avoid inhaling the vapors.
Avoid any contact with the skin and eyes.
If a large quantity has been spilt, evacuate all personnel and only allow intervention by trained operators equipped with safety apparatus.

For fire-fighters
Fire-fighters will be equipped with suitable personal protective equipment (See section 8).

6.2. Environmental precautions
Contain and control the leaks or spills with non-combustible absorbent materials such as sand, earth, vermiculite, diatomaceous earth in drums for waste disposal.
Prevent any material from entering drains or waterways.

6.3. Methods and material for containment and cleaning up
Clean preferably with a detergent, do not use solvents.

6.4. Reference to other sections
No data available.

SECTION 7 : HANDLING AND STORAGE
Requirements relating to storage premises apply to all facilities where the mixture is handled.

Individuals with a history of asthma, allergies and/or chronic or periodical breathing difficulties should not, under any circumstances, use these mixtures.

Individuals with a history of skin sensitisation should not, under any circumstance, handle this mixture.

7.1. Precautions for safe handling
Always wash hands after handling.
Remove and wash contaminated clothing before re-using.

Fire prevention:
Handle in well-ventilated areas.
Prevent access by unauthorised personnel.

Recommended equipment and procedures:
For personal protection, see section 8.
Observe precautions stated on label and also industrial safety regulations.
Avoid inhaling vapors.
Avoid inhaling vapors. Carry out any industrial operation which may give rise to this in a sealed apparatus.
Provide vapor extraction at the emission source and also general ventilation of the premises.
Also provide breathing apparatus for certain short tasks of an exceptional nature and for emergency interventions.
In all cases, recover emissions at source.

Prohibited equipment and procedures:
No smoking, eating or drinking in areas where the mixture is used.
7.2. Conditions for safe storage, including any incompatibilities
No data available.

Storage
Keep out of reach of children.
Keep the container tightly closed in a dry, well-ventilated place

Packaging
Always keep in packaging made of an identical material to the original.

7.3. Specific end use(s)
No data available.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

Occupational exposure limits:

  CAS VME-mg/m³ : VME-ppm : VLE-mg/m³ : VLE-ppm : Notes :
  67-56-1 260 200 - - Peau

- ACGIH TLV (American Conference of Governmental Industrial Hygienists, Threshold Limit Values, 2010):
  CAS TWA : STEL : Ceiling : Definition : Criteria :
  67-56-1 200 ppm 250 ppm - - -

- Germany - AGW (BAuA - TRGS 900, 21/06/2010):
  CAS VME : VME : Excess Notes
  67-56-1 200 ml/m³ 270 mg/m³ 4(II) DFG, EU, H, Y

- France (INRS - ED984 :2008):
  CAS VME-ppm : VME-mg/m³ : VLE-ppm : VLE-mg/m³ : Notes : TMP No :
  67-56-1 200 260 1000 1300 (12) 84

  CAS TWA : STEL : Ceiling : Definition : Criteria :
  67-56-1 200 ppm 250 ppm - - -

8.2. Exposure controls

Personal protection measures, such as personal protective equipment

Pictogram(s) indicating the obligation of wearing personal protective equipment (PPE):

Use personal protective equipment that is clean and has been properly maintained.
Store personal protective equipment in a clean place, away from the work area.
Never eat, drink or smoke during use. Remove and wash contaminated clothing before re-using. Ensure that there is adequate ventilation, especially in confined areas.

- Eye / face protection
  Avoid contact with eyes.
  Use eye protectors designed to protect against liquid splashes
  Before handling, wear safety goggles in accordance with standard EN166.

- Hand protection
  Wear suitable protective gloves in the event of prolonged or repeated skin contact.
  Use suitable protective gloves that are resistant to chemical agents in accordance with standard EN374.
  Gloves must be selected according to the application and duration of use at the workstation.
  Protective gloves need to be selected according to their suitability for the workstation in question: other chemical products that may be handled, necessary physical protections (cutting, pricking, heat protection), level of dexterity required.
Type of gloves recommended:
- Natural latex
Recommended properties:
- Impervious gloves in accordance with standard EN374

- **Body protection**
  Avoid skin contact.
  Wear suitable protective clothing.
  Suitable type of protective clothing:
  In the event of substantial spatter, wear liquid-tight protective clothing against chemical risks (type 3) in accordance with EN14605 to prevent skin contact.
  In the event of a risk of splashing, wear protective clothing against chemical risks (type 6) in accordance with EN13034 to prevent skin contact.
  Work clothing worn by personnel shall be laundered regularly.
  After contact with the product, all parts of the body that have been soiled must be washed.

- **Respiratory protection**
  Avoid breathing vapours.
  If the ventilation is insufficient, wear appropriate breathing apparatus.
  When workers are confronted with concentrations that are above occupational exposure limits, they must wear a suitable, approved, respiratory protection device.
  Anti-gas and vapour filter(s) (Combined filters) in accordance with standard EN14387:
  - A1 (Brown)

---

**SECTION 9 : PHYSICAL AND CHEMICAL PROPERTIES**

**9.1. Information on basic physical and chemical properties**

**General information:**
Physical state: viscous liquid.

**Important health, safety and environmental information**

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>pH</td>
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</tr>
<tr>
<td>Boiling point/boiling range</td>
<td>Not specified.</td>
</tr>
<tr>
<td>Flash point interval</td>
<td>Not relevant.</td>
</tr>
<tr>
<td>Vapour pressure</td>
<td>Not specified.</td>
</tr>
<tr>
<td>Density</td>
<td>&gt; 1</td>
</tr>
<tr>
<td>Water solubility</td>
<td>Dilutable.</td>
</tr>
<tr>
<td>Melting point/melting range</td>
<td>Not specified.</td>
</tr>
<tr>
<td>Self-ignition temperature</td>
<td>Not specified.</td>
</tr>
<tr>
<td>Decomposition point/decomposition range</td>
<td>Not specified.</td>
</tr>
</tbody>
</table>

**9.2. Other information**
No data available.

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**SECTION 10 : STABILITY AND REACTIVITY**

**10.1. Reactivity**
No data available.

**10.2. Chemical stability**
This mixture is stable under the recommended handling and storage conditions in section 7.

**10.3. Possibility of hazardous reactions**
No data available.

**10.4. Conditions to avoid**

**10.5. Incompatible materials**
10.6. Hazardous decomposition products
The thermal decomposition may release/form:
- carbon monoxide (CO)
- carbon dioxide (CO2)

SECTION 11 : TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects
May cause hypersensitivity of the respiratory tracts with effects taking the form of asthma, rhinitis/conjunctivitis or alveolitis.
May cause an allergic reaction by skin contact.

11.1.1. Substances
No toxicological data available for the substances.

11.1.2. Mixture
No toxicological data available for the mixture.

Respiratory or skin sensitisation:
May cause allergy or asthma symptoms or breathing difficulties if inhaled.

Monograph(s) from the IARC (International Agency for Research on Cancer):
CAS 64-17-5 : IARC Group 1 : The agent is carcinogenic to humans.

SECTION 12 : ECOLOGICAL INFORMATION

12.1. Toxicity

12.1.1. Substances
No aquatic toxicity data available for the substances.

12.1.2. Mixtures
No aquatic toxicity data available for the mixture.

12.2. Persistence and degradability
No data available.

12.3. Bioaccumulative potential
No data available.

12.4. Mobility in soil
No data available.

12.5. Results of PBT and vPvB assessment
No data available.

12.6. Other adverse effects
No data available.

SECTION 13 : DISPOSAL CONSIDERATIONS

Proper waste management of the mixture and/or its container must be determined in accordance with Directive 2008/98/EC.

13.1. Waste treatment methods
Do not pour into drains or waterways.

Waste:
Waste management is carried out without endangering human health, without harming the environment and, in particular without risk to water, air, soil, plants or animals.
Recycle or dispose of waste in compliance with current legislation, preferably via a certified collector or company.
Do not contaminate the ground or water with waste, do not dispose of waste into the environment.

Soiled packaging:
Empty container completely. Keep label(s) on container.
Give to a certified disposal contractor.
SECTION 14 : TRANSPORT INFORMATION
Exempt from transport classification and labelling.

SECTION 15 : REGULATORY INFORMATION
15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture
Containers to be fitted with a tactile warning of danger (see EC Regulation No. 1272/2008, Annex II, Part 3).
- Particular provisions:
  No data available.
- Standardised American system for the identification of hazards presented by the product in view of emergency procedures (NFPA 704):
  NFPA 704, Labelling: Health=0 Inflammability=1 Instability/Reactivity=1 Specific Risk=none

15.2. Chemical safety assessment
No data available.

SECTION 16 : OTHER INFORMATION
Since the user's working conditions are not known by us, the information supplied on this safety data sheet is based on our current level of knowledge and on national and community regulations.
The mixture must not be used for other uses than those specified in section 1 without having first obtained written handling instructions.
It is at all times the responsibility of the user to take all necessary measures to comply with legal requirements and local regulations.
The information in this safety data sheet must be regarded as a description of the safety requirements relating to the mixture and not as a guarantee of the properties thereof.

Title for H, EUH and R indications mentioned in section 3:
H225 Highly flammable liquid and vapour.
H301 Toxic if swallowed.
H311 Toxic in contact with skin.
H314 Causes severe skin burns and eye damage.
H317 May cause an allergic skin reaction.
H331 Toxic if inhaled.
H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.
H370 Causes damage to organs.
H410 Very toxic to aquatic life with long lasting effects.
R 11 Highly flammable.
R 23/24/25 Toxic by inhalation, in contact with skin and if swallowed.
R 34 Causes burns.
R 39/23/24/25 Toxic: danger of very serious irreversible effects through inhalation, in contact with skin and if swallowed.
R 42 May cause sensitization by inhalation.
R 43 May cause sensitisation by skin contact.
R 50/53 Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
Abbreviations:

ADR: European agreement concerning the international carriage of dangerous goods by Road.
IMDG: International Maritime Dangerous Goods.
IATA: International Air Transport Association.
ICAO: International Civil Aviation Organisation
RID: Regulations concerning the International carriage of Dangerous goods by rail.
GHS08: Health hazard
SAFETY DATA SHEET
(REACH regulation (EC) n° 1907/2006 - n° 453/2010)

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1. Product identifier
Product name: TINFIX DESIGN POURPRE DE GARANCE
Product code: N143006.087.

1.2. Relevant identified uses of the substance or mixture and uses advised against

1.3. Details of the supplier of the safety data sheet
Registered company name: Max Sauer SAS.
Address: 2 rue Lamarck.22000.Saint Brieuc.France.
Telephone: 0033(0)296682000. Fax: 0033(0)296770065.
mail@raphael.fr

1.4. Emergency telephone number: +33 (0)1 45 42 59 59.

SECTION 2: HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture
In compliance with EC regulation No. 1272/2008 and its amendments.
Skin sensitisation, Category 1 (Skin Sens. 1, H317).
Hazardous to the aquatic environment - Chronic hazard, Category 2 (Aquatic Chronic 2, H411).
This mixture does not present a physical hazard. Refer to the recommendations regarding the other products present on the site.

Skin sensitisation (Xi, R 43).
Aquatic environmental hazard, chronic toxicity: toxic (N, R 51/53).
This mixture does not present a physical hazard. Refer to the recommendations regarding the other products present on the site.

2.2. Label elements
In compliance with EC regulation No. 1272/2008 and its amendments.

Hazard pictograms:
- GHS09
- GHS07

Signal Word: WARNING
Product identifiers:

Additional labeling:
For professional use only.

H317 May cause an allergic skin reaction.
H411 Toxic to aquatic life with long lasting effects.
Precautionary statements - General:
P101 If medical advice is needed, have product container or label at hand.
P102 Keep out of reach of children.
P103 Read label before use.

Precautionary statements - Prevention:
P261 Avoid breathing dust/fume/gas/mist/vapours/spray.
P272 Contaminated work clothing should not be allowed out of the workplace.
P273 Avoid release to the environment.
P280 Wear protective gloves/protective clothing/eye protection/face protection.

Precautionary statements - Response:
P302 + P352 IF ON SKIN: Wash with plenty of soap and water.
P321 Specific treatment (see ... on this label).
P333 + P313 If skin irritation or rash occurs: Get medical advice/attention.
P363 Wash contaminated clothing before reuse.
P391 Collect spillage.

Precautionary statements - Disposal:
P501 Dispose of contents/container to ...


Hazard symbols:

Contains:
613-167-00-5 MIXTURE OF: 5-CHLORO-2-METHYL-4-ISOTHIAZOLIN-3-ONE [EC NO. 247-500-7] AND 
2-METHYL-2HISOTHIAZOL-3-ONE [EC NO. 220-239-6] (3:1)
EC 276-127-2 2,5-DICHLORO-4-[4-[5-[[[(DODECYCLOXY)CARBONYL]AMINO]-2-SULFONATOPHENYL]AZOL 
]-4,5-DIHYDRO-3-METHYL-5-OXO-1H-PYRAZOLE-1-YL]BENZENSULFONATE DE DISODIUM

Risk phrase:
R 51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic 
environment.
R 43 May cause sensitisation by skin contact.

Safety phrase:
S 2 Keep out of the reach of children.
S 24 Avoid contact with skin.
S 29 Do not empty into drains.
S 37 Wear suitable gloves.
S 46 If swallowed, seek medical advice immediately and show this container or label.
S 13 Keep away from food, drink and animal feedingstuffs.


2.3. Other hazards
No data available.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1. Substances
No substances fulfil the criteria set forth in annexe II section A of the REACH regulation (EC) n° 1907/2006.

3.2. Mixtures
Composition:

<table>
<thead>
<tr>
<th>Identification</th>
<th>Name</th>
<th>Classification</th>
<th>%</th>
</tr>
</thead>
</table>
SECTION 4 : FIRST AID MEASURES

As a general rule, in case of doubt or if symptoms persist, always call a doctor.
NEVER induce swallowing by an unconscious person.

4.1. Description of first aid measures

In the event of splashes or contact with skin:
Remove contaminated clothing and wash the skin thoroughly with soap and water or a recognised cleaner.
Watch out for any remaining product between skin and clothing, watches, shoes, etc.
In the event of an allergic reaction, seek medical attention.
If the contaminated area is widespread and/or there is damage to the skin, a doctor must be consulted or the patient transferred to hospital.

In the event of swallowing:
Do not give the patient anything orally.
In the event of swallowing, if the quantity is small (no more than one mouthful), rinse the mouth with water and consult a doctor.
Seek medical attention immediately, showing the label.

4.2. Most important symptoms and effects, both acute and delayed
No data available.

4.3. Indication of any immediate medical attention and special treatment needed
No data available.

SECTION 5 : FIREFIGHTING MEASURES
Non-flammable.

5.1. Extinguishing media

5.2. Special hazards arising from the substance or mixture
A fire will often produce a thick black smoke. Exposure to decomposition products may be hazardous to health.
Do not breathe in smoke.
In the event of a fire, the following may be formed:
- carbon monoxide (CO)
- carbon dioxide (CO2)

5.3. Advice for firefighters
No data available.
SECTION 6 : ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures
Consult the safety measures listed under headings 7 and 8.

For non fire-fighters
Avoid any contact with the skin and eyes.

For fire-fighters
Fire-fighters will be equipped with suitable personal protective equipment (See section 8).

6.2. Environmental precautions
Contain and control the leaks or spills with non-combustible absorbent materials such as sand, earth, vermiculite, diatomaceous earth in drums for waste disposal.
Prevent any material from entering drains or waterways.

6.3. Methods and material for containment and cleaning up
Clean preferably with a detergent, do not use solvents.

6.4. Reference to other sections
No data available.

SECTION 7 : HANDLING AND STORAGE
Requirements relating to storage premises apply to all facilities where the mixture is handled.

Individuals with a history of skin sensitisation should not, under any circumstance, handle this mixture.

7.1. Precautions for safe handling
Always wash hands after handling.
Remove and wash contaminated clothing before re-using.

Fire prevention :
Prevent access by unauthorised personnel.

Recommended equipment and procedures :
For personal protection, see section 8.
Observe precautions stated on label and also industrial safety regulations.

Prohibited equipment and procedures :
No smoking, eating or drinking in areas where the mixture is used.

7.2. Conditions for safe storage, including any incompatibilities
No data available.

Storage
Keep out of reach of children.

Packaging
Always keep in packaging made of an identical material to the original.

7.3. Specific end use(s)
No data available.

SECTION 8 : EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters
Occupational exposure limits :
<table>
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<tr>
<th>CAS</th>
<th>VME-mg/m3</th>
<th>VME-ppm</th>
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<td>67.5</td>
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<td>101.2</td>
<td>15</td>
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- Germany - AGW (BAuA - TRGS 900, 21/06/2010) :
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<td>-</td>
<td>100 mg/m3</td>
<td>1(I)</td>
<td>DFG, Y</td>
</tr>
</tbody>
</table>
8.2. Exposure controls

**Personal protection measures, such as personal protective equipment**

Pictogram(s) indicating the obligation of wearing personal protective equipment (PPE):

![Pictograms](image)

Use personal protective equipment that is clean and has been properly maintained.

Store personal protective equipment in a clean place, away from the work area.

Never eat, drink or smoke during use. Remove and wash contaminated clothing before re-using. Ensure that there is adequate ventilation, especially in confined areas.

- **Eye / face protection**
  
  Avoid contact with eyes.

  Use eye protectors designed to protect against liquid splashes.

  Before handling, wear safety goggles in accordance with standard EN166.

- **Hand protection**

  Use suitable protective gloves that are resistant to chemical agents in accordance with standard EN374.

  Gloves must be selected according to the application and duration of use at the workstation.

  Protective gloves need to be selected according to their suitability for the workstation in question: other chemical products that may be handled, necessary physical protections (cutting, pricking, heat protection), level of dexterity required.

  Type of gloves recommended:
  - Natural latex
  - Impervious gloves in accordance with standard EN374

- **Body protection**

  Avoid skin contact.

  Wear suitable protective clothing.

  Suitable type of protective clothing:

  In the event of substantial spatter, wear liquid-tight protective clothing against chemical risks (type 3) in accordance with EN14605 to prevent skin contact.

  In the event of a risk of splashing, wear protective clothing against chemical risks (type 6) in accordance with EN13034 to prevent skin contact.

  Work clothing worn by personnel shall be laundered regularly.

  After contact with the product, all parts of the body that have been soiled must be washed.

---

**SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**

9.1. Information on basic physical and chemical properties

**General information**:

| Physical state | Viscous liquid |

**Important health, safety and environmental information**

| pH | Not stated |
| Boiling point/boiling range | Not specified |
| Flash point interval | Not relevant |
| Vapour pressure | Not relevant |
| Density | > 1 |
| Water solubility | Dilutable |
Melting point/melting range: not specified.
Self-ignition temperature: not specified.
Decomposition point/decomposition range: not specified.

9.2. Other information
No data available.

SECTION 10 : STABILITY AND REACTIVITY

10.1. Reactivity
No data available.

10.2. Chemical stability
This mixture is stable under the recommended handling and storage conditions in section 7.

10.3. Possibility of hazardous reactions
No data available.

10.4. Conditions to avoid

10.5. Incompatible materials

10.6. Hazardous decomposition products
The thermal decomposition may release/form:
- carbon monoxide (CO)
- carbon dioxide (CO2)

SECTION 11 : TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects
May cause an allergic reaction by skin contact.

11.1.1. Substances
No toxicological data available for the substances.

11.1.2. Mixture
No toxicological data available for the mixture.

Monograph(s) from the IARC (International Agency for Research on Cancer):
CAS 64-17-5: IARC Group 1: The agent is carcinogenic to humans.

SECTION 12 : ECOLOGICAL INFORMATION

12.1. Toxicity

12.1.1. Substances
No aquatic toxicity data available for the substances.

12.1.2. Mixtures
No aquatic toxicity data available for the mixture.

12.2. Persistence and degradability
No data available.

12.3. Bioaccumulative potential
No data available.

12.4. Mobility in soil
No data available.

12.5. Results of PBT and vPvB assessment
No data available.
12.6. Other adverse effects

No data available.

SECTION 13 : DISPOSAL CONSIDERATIONS

Proper waste management of the mixture and/or its container must be determined in accordance with Directive 2008/98/EC.

13.1. Waste treatment methods

Do not pour into drains or waterways.

Waste:

Waste management is carried out without endangering human health, without harming the environment and, in particular without risk to water, air, soil, plants or animals.
Recycle or dispose of waste in compliance with current legislation, preferably via a certified collector or company.
Do not contaminate the ground or water with waste, do not dispose of waste into the environment.

Soiled packaging:

Empty container completely. Keep label(s) on container.
Give to a certified disposal contractor.

SECTION 14 : TRANSPORT INFORMATION


14.1. UN number

3082

14.2. UN proper shipping name

UN3082=ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.
(mixture of: 5-chloro-2-methyl-4-isothiazolin-3-one [ec no. 247-500-7] and 2-methyl-2hithiazol-3-one [ec no. 220-239-6] (3:1))

14.3. Transport hazard class(es)

- Classification:

14.4. Packing group

III

14.5. Environmental hazards

- Environmentally hazardous material:

14.6. Special precautions for user

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- Made under licence of European Label System® MSDS software from InfoDyne - http://www.infodyne.fr -
14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code
No data available.

SECTION 15 : REGULATORY INFORMATION

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture
- Banned from sale to the general public (EC Regulation No. 1907/2006) - For professional users only.
- For professional users only.

Particular provisions:
- No data available.

- Standardised American system for the identification of hazards presented by the product in view of emergency procedures (NFPA 704):
  NFPA 704, Labelling: Health=2 Inflammability=1 Instability/Reactivity=1 Specific Risk=none

15.2. Chemical safety assessment
No data available.

SECTION 16 : OTHER INFORMATION
Since the user's working conditions are not known by us, the information supplied on this safety data sheet is based on our current level of knowledge and on national and community regulations.
The mixture must not be used for other uses than those specified in section 1 without having first obtained written handling instructions.
It is at all times the responsibility of the user to take all necessary measures to comply with legal requirements and local regulations.
The information in this safety data sheet must be regarded as a description of the safety requirements relating to the mixture and not as a guarantee of the properties thereof.

Title for H, EUH and R indications mentioned in section 3:
H301 Toxic if swallowed.
H311 Toxic in contact with skin.
H314 Causes severe skin burns and eye damage.
H317 May cause an allergic skin reaction.
H319 Causes serious eye irritation.
H331 Toxic if inhaled.
H410 Very toxic to aquatic life with long lasting effects.
R 23/24/25 Toxic by inhalation, in contact with skin and if swallowed.
R 34 Causes burns.
R 36 Irritating to eyes.
R 43 May cause sensitisation by skin contact.
R 50/53 Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Abbreviations:
- ADR : European agreement concerning the international carriage of dangerous goods by Road.
- IATA : International Air Transport Association.
ICAO : International Civil Aviation Organisation
RID : Regulations concerning the International carriage of Dangerous goods by rail.
GHS07 : Exclamation mark
GHS09 : Environment
SAFETY DATA SHEET
(REACH regulation (EC) n° 1907/2006 - n° 453/2010)

SECTION 1 : IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1. Product identifier
Product name : TINFIX DESIGN SIENNE BRÛLÉE
Product code : N143006.088.

1.2. Relevant identified uses of the substance or mixture and uses advised against

1.3. Details of the supplier of the safety data sheet
Registered company name : Max Sauer SAS.
Address : 2 rue Lamarck.22000.Saint Brieuc.France.
Telephone : 0033(0)296682000.     Fax : 0033(0)296770065.
mail@raphael.fr

1.4. Emergency telephone number : +33 (0)1 45 42 59 59.

SECTION 2 : HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture
In compliance with EC regulation No. 1272/2008 and its amendments.
Skin sensitisation, Category 1 (Skin Sens. 1, H317).
This mixture does not present a physical hazard. Refer to the recommendations regarding the other products present on the site.
This mixture does not present an environmental hazard. No known or foreseeable environmental damage under standard conditions of use.

Skin sensitisation (Xi, R 43).
This mixture does not present a physical hazard. Refer to the recommendations regarding the other products present on the site.
This mixture does not present an environmental hazard. No known or foreseeable environmental damage under standard conditions of use.

2.2. Label elements
In compliance with EC regulation No. 1272/2008 and its amendments.

Hazard pictograms :

GHS07
Signal Word : WARNING
Product identifiers :
Hazard statements :
H317 May cause an allergic skin reaction.
Precautionary statements - General :
P101 If medical advice is needed, have product container or label at hand.
P102 Keep out of reach of children.
P103 Read label before use.
Precautionary statements - Prevention:
- P261 Avoid breathing dust/fume/gas/mist/vapours/spray.
- P272 Contaminated work clothing should not be allowed out of the workplace.
- P280 Wear protective gloves/protective clothing/eye protection/face protection.

Precautionary statements - Response:
- P302 + P352 IF ON SKIN: Wash with plenty of soap and water.
- P313 If skin irritation or rash occurs: Get medical advice/attention.
- P363 Wash contaminated clothing before reuse.

Precautionary statements - Disposal:
- P501 Dispose of contents/container to...


Hazard symbols:
- Irritant

Contains:

Risk phrase:
- R 43 May cause sensitisation by skin contact.

Safety phrase:
- S 2 Keep out of the reach of children.
- S 24 Avoid contact with skin.
- S 37 Wear suitable gloves.
- S 46 If swallowed, seek medical advice immediately and show this container or label.
- S 13 Keep away from food, drink and animal feedingstuffs.

2.3. Other hazards
No data available.

SECTION 3 : COMPOSITION/INFORMATION ON INGREDIENTS

3.1. Substances
No substances fulfil the criteria set forth in annexe II section A of the REACH regulation (EC) n° 1907/2006.

3.2. Mixtures

| Composition |
|-------------|-----------------|-----------------|-----------------|
| CAS: 801-86-7 | ACIDE NAPHTALÈNEDISULFONIQUE-4,7,AMINO-4-HYDROXY-5,DIAZOTÉ COUPLE AVEC DE L'AMINO-2-DINITRO-4,6 PHÉNOL DIAZOTÉ, LA NITRO BENZÈNAMINE DIAZOTÉE ET LE RÉSOCRINOL, SELS DE SODIUM | GHS07, Wng | 2.5 <= x % < 10 |
| CAS: 20262-58-2 | 6-ACETAMIDO-4-HYDROXY-3-[4-[2-(SULFONATOXY)ETHYL]SULFONYL]PHENY]AZOL| GHS08, Dgr | 0 <= x % < 1 |

- Made under licence of European Label System® MSDS software from InfoDyne - http://www.infodyne.fr -
SECTION 4 : FIRST AID MEASURES

As a general rule, in case of doubt or if symptoms persist, always call a doctor.
NEVER induce swallowing by an unconscious person.

4.1. Description of first aid measures

In the event of splashes or contact with skin:
Remove contaminated clothing and wash the skin thoroughly with soap and water or a recognised cleaner.
Watch out for any remaining product between skin and clothing, watches, shoes, etc.
In the event of an allergic reaction, seek medical attention.
If the contaminated area is widespread and/or there is damage to the skin, a doctor must be consulted or the patient transferred to hospital.

In the event of swallowing:
Do not give the patient anything orally.
In the event of swallowing, if the quantity is small (no more than one mouthful), rinse the mouth with water and consult a doctor.
Seek medical attention immediately, showing the label.

4.2. Most important symptoms and effects, both acute and delayed
No data available.

4.3. Indication of any immediate medical attention and special treatment needed
No data available.

SECTION 5 : FIREFIGHTING MEASURES

Non-flammable.

5.1. Extinguishing media

5.2. Special hazards arising from the substance or mixture
A fire will often produce a thick black smoke. Exposure to decomposition products may be hazardous to health.
Do not breathe in smoke.
In the event of a fire, the following may be formed:
- carbon monoxide (CO)
- carbon dioxide (CO2)

5.3. Advice for firefighters
No data available.

SECTION 6 : ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures
Consult the safety measures listed under headings 7 and 8.

For non fire-fighters
Avoid any contact with the skin and eyes.

For fire-fighters
Fire-fighters will be equipped with suitable personal protective equipment (See section 8).
6.2. Environmental precautions
Contain and control the leaks or spills with non-combustible absorbent materials such as sand, earth, vermiculite, diatomaceous earth in drums for waste disposal.
Prevent any material from entering drains or waterways.

6.3. Methods and material for containment and cleaning up
Clean preferably with a detergent, do not use solvents.

6.4. Reference to other sections
No data available.

SECTION 7 : HANDLING AND STORAGE
Requirements relating to storage premises apply to all facilities where the mixture is handled.
Individuals with a history of skin sensitisation should not, under any circumstance, handle this mixture.

7.1. Precautions for safe handling
Always wash hands after handling.
Remove and wash contaminated clothing before re-using.

Fire prevention:
Prevent access by unauthorised personnel.

Recommended equipment and procedures:
For personal protection, see section 8.
Observe precautions stated on label and also industrial safety regulations.

Prohibited equipment and procedures:
No smoking, eating or drinking in areas where the mixture is used.

7.2. Conditions for safe storage, including any incompatibilities
No data available.

Storage
Keep out of reach of children.

Packaging
Always keep in packaging made of an identical material to the original.

7.3. Specific end use(s)
No data available.

SECTION 8 : EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

Occupational exposure limits:
  CAS  VME-mg/m³ : VME-ppm : VLE-mg/m³ : VLE-ppm : Notes :
  67-56-1 260 200 - - Peau
- ACGIH TLV (American Conference of Governmental Industrial Hygienists, Threshold Limit Values, 2010):
  CAS  TWA : STEL : Ceiling : Definition : Criteria :
  67-56-1 200 ppm 250 ppm - - -
- Germany - AGW (BAuA - TRGS 900, 21/06/2010):
  CAS  VME : VME : Excess Notes
  67-56-1 200 ml/m³ 270 mg/m³ 4(II) DFG, EU, H, Y
- France (INRS - ED984-2008):
  CAS  VME-ppm : VME-mg/m³ : VLE-ppm : VLE-mg/m³ : Notes : TMP No :
  67-56-1 200 260 1000 1300 (12) 84

**8.2. Exposure controls**

**Personal protection measures, such as personal protective equipment**

Pictogram(s) indicating the obligation of wearing personal protective equipment (PPE):

![Pictograms]

Use personal protective equipment that is clean and has been properly maintained.
Store personal protective equipment in a clean place, away from the work area.
Never eat, drink or smoke during use. Remove and wash contaminated clothing before re-using. Ensure that there is adequate ventilation, especially in confined areas.

- **Eye / face protection**
  - Avoid contact with eyes.
  - Use eye protectors designed to protect against liquid splashes
  - Before handling, wear safety goggles in accordance with standard EN166.

- **Hand protection**
  - Wear suitable protective gloves in the event of prolonged or repeated skin contact.
  - Use suitable protective gloves that are resistant to chemical agents in accordance with standard EN374.
  - Gloves must be selected according to the application and duration of use at the workstation.
  - Protective gloves need to be selected according to their suitability for the workstation in question: other chemical products that may be handled, necessary physical protections (cutting, pricking, heat protection), level of dexterity required.
  - Type of gloves recommended:
    - Natural latex
    - Impervious gloves in accordance with standard EN374

- **Body protection**
  - Avoid skin contact.
  - Wear suitable protective clothing.
  - Suitable type of protective clothing:
    - In the event of substantial spatter, wear liquid-tight protective clothing against chemical risks (type 3) in accordance with EN14605 to prevent skin contact.
    - In the event of a risk of splashing, wear protective clothing against chemical risks (type 6) in accordance with EN13034 to prevent skin contact.
  - Work clothing worn by personnel shall be laundered regularly.
  - After contact with the product, all parts of the body that have been soiled must be washed.

**SECTION 9 : PHYSICAL AND CHEMICAL PROPERTIES**

**9.1. Information on basic physical and chemical properties**

**General information**

Physical state: viscous liquid.

**Important health, safety and environmental information**

pH: Not stated.
slightly basic.

Boiling point/boiling range: not specified.

Flash point interval: not relevant.

Vapour pressure: not relevant.

Density: > 1

Water solubility: Dilutable.

Melting point/melting range: not specified.
9.2. Other information
No data available.

SECTION 10 : STABILITY AND REACTIVITY

10.1. Reactivity
No data available.

10.2. Chemical stability
This mixture is stable under the recommended handling and storage conditions in section 7.

10.3. Possibility of hazardous reactions
No data available.

10.4. Conditions to avoid

10.5. Incompatible materials

10.6. Hazardous decomposition products
The thermal decomposition may release/form:
- carbon monoxide (CO)
- carbon dioxide (CO2)

SECTION 11 : TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects
May cause an allergic reaction by skin contact.

11.1.1. Substances
No toxicological data available for the substances.

11.1.2. Mixture
No toxicological data available for the mixture.

Monograph(s) from the IARC (International Agency for Research on Cancer):
CAS 64-17-5 : IARC Group 1 : The agent is carcinogenic to humans.

SECTION 12 : ECOLOGICAL INFORMATION

12.1. Toxicity

12.1.1. Substances
No aquatic toxicity data available for the substances.

12.1.2. Mixtures
No aquatic toxicity data available for the mixture.

12.2. Persistence and degradability
No data available.

12.3. Bioaccumulative potential
No data available.

12.4. Mobility in soil
No data available.

12.5. Results of PBT and vPvB assessment
No data available.

12.6. Other adverse effects
No data available.
SECTION 13 : DISPOSAL CONSIDERATIONS

Proper waste management of the mixture and/or its container must be determined in accordance with Directive 2008/98/EC.

13.1. Waste treatment methods
Do not pour into drains or waterways.

Waste:
Waste management is carried out without endangering human health, without harming the environment and, in particular without risk to water, air, soil, plants or animals.
Recycle or dispose of waste in compliance with current legislation, preferably via a certified collector or company.
Do not contaminate the ground or water with waste, do not dispose of waste into the environment.

Soiled packaging:
Empty container completely. Keep label(s) on container.
Give to a certified disposal contractor.

SECTION 14 : TRANSPORT INFORMATION

Exempt from transport classification and labelling.

SECTION 15 : REGULATORY INFORMATION

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture
- Particular provisions:
  No data available.

- Standardised American system for the identification of hazards presented by the product in view of emergency procedures (NFPA 704):
  NFPA 704, Labelling: Health=2 Inflammability=1 Instability/Reactivity=1 Specific Risk=none

15.2. Chemical safety assessment
No data available.

SECTION 16 : OTHER INFORMATION

Since the user’s working conditions are not known by us, the information supplied on this safety data sheet is based on our current level of knowledge and on national and community regulations.
The mixture must not be used for other uses than those specified in section 1 without having first obtained written handling instructions.
It is at all times the responsibility of the user to take all necessary measures to comply with legal requirements and local regulations.
The information in this safety data sheet must be regarded as a description of the safety requirements relating to the mixture and not as a guarantee of the properties thereof.

Title for H, EUH and R indications mentioned in section 3:
H225 Highly flammable liquid and vapour.
H301 Toxic if swallowed.
H311 Toxic in contact with skin.
H314 Causes severe skin burns and eye damage.
H317 May cause an allergic skin reaction.
H319       Causes serious eye irritation.
H331       Toxic if inhaled.
H334       May cause allergy or asthma symptoms or breathing difficulties if inhaled.
H370       Causes damage to organs .
H410       Very toxic to aquatic life with long lasting effects.
R 11       Highly flammable.
R 23/24/25 Toxic by inhalation, in contact with skin and if swallowed.
R 34       Causes burns.
R 36       Irritating to eyes.
R 39/23/24/25 Toxic: danger of very serious irreversible effects through inhalation, in contact with skin
           and if swallowed.
R 42       May cause sensitization by inhalation.
R 43       May cause sensitisation by skin contact.
R 50/53    Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Abbreviations:
ADR : European agreement concerning the international carriage of dangerous goods by Road.
IMDG : International Maritime Dangerous Goods.
IATA : International Air Transport Association.
ICAO : International Civil Aviation Organisation
RID : Regulations concerning the International carriage of Dangerous goods by rail,
GHS07 : Exclamation mark
SAFETY DATA SHEET

(Reach regulation (EC) n° 1907/2006 - n° 453/2010)

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1. Product identifier
   Product name: TINFIX DESIGN BRUN VAN DYCK
   Product code: N143006.089.

1.2. Relevant identified uses of the substance or mixture and uses advised against

1.3. Details of the supplier of the safety data sheet
   Registered company name: Max Sauer SAS.
   Address: 2 rue Lamarck.22000.Saint Brieuc.France.
   Telephone: 0033(0)296682000. Fax: 0033(0)296770065.
   mail@raphael.fr

1.4. Emergency telephone number: +33 (0)1 45 42 59 59.

SECTION 2: HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture
   In compliance with EC regulation No. 1272/2008 and its amendments.
   This mixture does not present a physical hazard. Refer to the recommendations regarding the other products present on the site.
   This mixture does not present a health hazard.
   This mixture does not present an environmental hazard. No known or foreseeable environmental damage under standard conditions of use.

   This mixture does not present a physical hazard. Refer to the recommendations regarding the other products present on the site.
   This mixture does not present a health hazard.
   This mixture does not present an environmental hazard. No known or foreseeable environmental damage under standard conditions of use.

2.2. Label elements
   In compliance with EC regulation No. 1272/2008 and its amendments.
   No labelling requirements for this mixture.

   No labelling requirements for this mixture.

2.3. Other hazards
   No data available.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1. Substances
   No substances fulfil the criteria set forth in annex II section A of the REACH regulation (EC) n° 1907/2006.

3.2. Mixtures
   Composition:

<table>
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<th>Name</th>
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</table>
SECTION 4 : FIRST AID MEASURES

As a general rule, in case of doubt or if symptoms persist, always call a doctor.
NEVER induce swallowing by an unconscious person.

4.1. Description of first aid measures

In the event of splashes or contact with eyes:
Wash thoroughly with soft, clean water for 15 minutes holding the eyelids open.

In the event of swallowing:
In the event of swallowing, if the quantity is small (no more than one mouthful), rinse the mouth with water and consult a doctor.
Keep the person exposed at rest. Do not force vomiting.
Seek medical attention, showing the label.
If swallowed accidentally, call a doctor to ascertain whether observation and hospital care will be necessary. Show the label.

4.2. Most important symptoms and effects, both acute and delayed
No data available.

4.3. Indication of any immediate medical attention and special treatment needed
No data available.

SECTION 5 : FIREFIGHTING MEASURES

Non-flammable.

5.1. Extinguishing media
Suitable methods of extinction
In the event of a fire, use:
- sprayed water or water mist
- foam
- multipurpose ABC powder
- BC powder
- carbon dioxide (CO2)

Unsuitable methods of extinction
In the event of a fire, do not use:
- water jet

5.2. Special hazards arising from the substance or mixture
A fire will often produce a thick black smoke. Exposure to decomposition products may be hazardous to health.
Do not breathe in smoke.
In the event of a fire, the following may be formed:
- carbon monoxide (CO)
- carbon dioxide (CO2)

5.3. Advice for firefighters
No data available.
SECTION 6 : ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures
Consult the safety measures listed under headings 7 and 8.

For fire-fighters
Fire-fighters will be equipped with suitable personal protective equipment (See section 8).

6.2. Environmental precautions
Contain and control the leaks or spills with non-combustible absorbent materials such as sand, earth, vermiculite, diatomaceous earth in drums for waste disposal.
Prevent any material from entering drains or waterways.

6.3. Methods and material for containment and cleaning up
Clean preferably with a detergent, do not use solvents.

6.4. Reference to other sections
No data available.

SECTION 7 : HANDLING AND STORAGE
Requirements relating to storage premises apply to all facilities where the mixture is handled.

7.1. Precautions for safe handling
Always wash hands after handling.
Ensure that there is adequate ventilation, especially in confined areas.
Fire prevention :
Handle in well-ventilated areas.
Prevent access by unauthorised personnel.
Recommended equipment and procedures :
For personal protection, see section 8.
Observe precautions stated on label and also industrial safety regulations.
Packages which have been opened must be reclosed carefully and stored in an upright position.
Prohibited equipment and procedures :
No smoking, eating or drinking in areas where the mixture is used.

7.2. Conditions for safe storage, including any incompatibilities
No data available.
Storage
Keep out of reach of children.
Keep the container tightly closed in a dry, well-ventilated place.
The floor must be impermeable and form a collecting basin so that, in the event of an accidental spillage, the liquid cannot spread beyond this area.
Packaging
Always keep in packaging made of an identical material to the original.

7.3. Specific end use(s)
No data available.

SECTION 8 : EXPOSURE CONTROLS/PERSOAL PROTECTION

8.1. Control parameters
No data available.

8.2. Exposure controls
Personal protection measures, such as personal protective equipment
Pictogram(s) indicating the obligation of wearing personal protective equipment (PPE):

- Use personal protective equipment that is clean and has been properly maintained.
- Store personal protective equipment in a clean place, away from the work area.
- Never eat, drink or smoke during use. Remove and wash contaminated clothing before re-using. Ensure that there is adequate ventilation, especially in confined areas.

- **Eye / face protection**
  - Avoid contact with eyes.
  - Use eye protectors designed to protect against liquid splashes.
  - Before handling, wear safety goggles in accordance with standard EN166.

- **Hand protection**
  - Wear suitable protective gloves in the event of prolonged or repeated skin contact.
  - Type of gloves recommended:
    - PVA (Polyvinyl alcohol)

- **Body protection**
  - Work clothing worn by personnel shall be laundered regularly.
  - After contact with the product, all parts of the body that have been soiled must be washed.

### SECTION 9 : PHYSICAL AND CHEMICAL PROPERTIES

#### 9.1. Information on basic physical and chemical properties

- **General information**
  - Physical state: Viscous liquid.

- **Important health, safety and environmental information**
  - pH: Not stated.
    - Neutral.
  - Boiling point/boiling range: Not specified.
  - Flash point interval: Not relevant.
  - Vapour pressure: Below 110 kPa (1.10 bar).
  - Density: > 1
  - Water solubility: Insoluble.
  - Melting point/melting range: Not specified.
  - Self-ignition temperature: Not specified.
  - Decomposition point/decomposition range: Not specified.

#### 9.2. Other information

- No data available.

### SECTION 10 : STABILITY AND REACTIVITY

#### 10.1. Reactivity

- No data available.

#### 10.2. Chemical stability

- This mixture is stable under the recommended handling and storage conditions in section 7.

#### 10.3. Possibility of hazardous reactions

- When exposed to high temperatures, the mixture can release hazardous decomposition products, such as carbon monoxide and dioxide, fumes and nitrogen oxide.

#### 10.4. Conditions to avoid

#### 10.5. Incompatible materials
10.6. Hazardous decomposition products
The thermal decomposition may release/form:
- carbon monoxide (CO)
- carbon dioxide (CO2)

SECTION 11 : TOXICOLOGICAL INFORMATION
11.1. Information on toxicological effects
Splashes in the eyes may cause irritation and reversible damage
11.1.1. Substances
No toxicological data available for the substances.
11.1.2. Mixture
No toxicological data available for the mixture.
Monograph(s) from the IARC (International Agency for Research on Cancer):
CAS 64-17-5 : IARC Group 1 : The agent is carcinogenic to humans.

SECTION 12 : ECOLOGICAL INFORMATION
12.1. Toxicity
12.1.1. Substances
No aquatic toxicity data available for the substances.
12.1.2. Mixtures
No aquatic toxicity data available for the mixture.
12.2. Persistence and degradability
No data available.
12.3. Bioaccumulative potential
No data available.
12.4. Mobility in soil
No data available.
12.5. Results of PBT and vPvB assessment
No data available.
12.6. Other adverse effects
No data available.

SECTION 13 : DISPOSAL CONSIDERATIONS
Proper waste management of the mixture and/or its container must be determined in accordance with Directive 2008/98/EC.
13.1. Waste treatment methods
Do not pour into drains or waterways.
Waste:
Waste management is carried out without endangering human health, without harming the environment and, in particular without risk to water, air, soil, plants or animals.
Recycle or dispose of waste in compliance with current legislation, preferably via a certified collector or company.
Do not contaminate the ground or water with waste, do not dispose of waste into the environment.
Soiled packaging:
Empty container completely. Keep label(s) on container.
Give to a certified disposal contractor.
SECTION 14: TRANSPORT INFORMATION

Exempt from transport classification and labelling.


SECTION 15: REGULATORY INFORMATION

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

- Particular provisions:
  No data available.

- Standardised American system for the identification of hazards presented by the product in view of emergency procedures (NFPA 704):
  NFPA 704, Labelling: Health=0 Inflammability=1 Instability/Reactivity=1 Specific Risk=none

15.2. Chemical safety assessment

No data available.

SECTION 16: OTHER INFORMATION

Since the user’s working conditions are not known by us, the information supplied on this safety data sheet is based on our current level of knowledge and on national and community regulations.

The mixture must not be used for other uses than those specified in section 1 without having first obtained written handling instructions.

It is at all times the responsibility of the user to take all necessary measures to comply with legal requirements and local regulations. The information in this safety data sheet must be regarded as a description of the safety requirements relating to the mixture and not as a guarantee of the properties thereof.

Title for H, EUH and R indications mentioned in section 3:

H319 Causes serious eye irritation.
R36 Irritating to eyes.

Abbreviations:

ADR: European agreement concerning the international carriage of dangerous goods by Road.
IMDG: International Maritime Dangerous Goods.
IATA: International Air Transport Association.
ICAO: International Civil Aviation Organisation.
RID: Regulations concerning the International carriage of Dangerous goods by rail.
SAFETY DATA SHEET
(REACH regulation (EC) n° 1907/2006 - n° 453/2010)

SECTION 1 : IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1. Product identifier
Product name : TINFIX DESIGN TABAC
Product code : N143006.091.

1.2. Relevant identified uses of the substance or mixture and uses advised against

1.3. Details of the supplier of the safety data sheet
Registered company name : Max Sauer SAS.
Address : 2 rue Lamarck.22000.Saint Brieuc.France.
Telephone : 0033(0)296682000.     Fax : 0033(0)296770065.
mail@raphael.fr

1.4. Emergency telephone number : +33 (0)1 45 42 59 59.

SECTION 2 : HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture
In compliance with EC regulation No. 1272/2008 and its amendments.
Skin sensitisation, Category 1 (Skin Sens. 1, H317).
Hazardous to the aquatic environment - Chronic hazard, Category 3 (Aquatic Chronic 3, H412).
This mixture does not present a physical hazard. Refer to the recommendations regarding the other products present on the site.

Skin sensitiisation (Xi, R 43).
Aquatic environmental hazard, chronic toxicity: harmful (R 52/53).
This mixture does not present a physical hazard. Refer to the recommendations regarding the other products present on the site.

2.2. Label elements
In compliance with EC regulation No. 1272/2008 and its amendments.
Hazard pictograms :
GHS07

Signal Word : WARNING
Product identifiers : 613-167-00-5
Additional labeling :

For professional use only.

H317 May cause an allergic skin reaction.
H412 Harmful to aquatic life with long lasting effects.

Precautionary statements - General :
P101 If medical advice is needed, have product container or label at hand.
P102 Keep out of reach of children.
P103 Read label before use.
Precautionary statements - Prevention:
P261 Avoid breathing dust/fume/gas/mist/vapours/spray.
P272 Contaminated work clothing should not be allowed out of the workplace.
P273 Avoid release to the environment.
P280 Wear protective gloves/protective clothing/eye protection/face protection.
Precautionary statements - Response:
P302 + P352 IF ON SKIN: Wash with plenty of soap and water.
P321 Specific treatment (see ... on this label).
P333 + P313 If skin irritation or rash occurs: Get medical advice/attention.
P363 Wash contaminated clothing before reuse.
Precautionary statements - Disposal:
P501 Dispose of contents/container to ...


Hazard symbols:
Irritant

Contains:

Risk phrase:
R 52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R 43 May cause sensitisation by skin contact.

Safety phrase:
S 2 Keep out of the reach of children.
S 24 Avoid contact with skin.
S 37 Wear suitable gloves.
S 46 If swallowed, seek medical advice immediately and show this container or label.
S 13 Keep away from food, drink and animal feedingstuffs.


2.3. Other hazards
No data available.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1. Substances
No substances fulfil the criteria set forth in annexe II section A of the REACH regulation (EC) n° 1907/2006.

3.2. Mixtures
Composition:

<table>
<thead>
<tr>
<th>Identification</th>
<th>Name</th>
<th>Classification</th>
<th>%</th>
</tr>
</thead>
</table>
### SECTION 4 : FIRST AID MEASURES

As a general rule, in case of doubt or if symptoms persist, always call a doctor.

NEVER induce swallowing by an unconscious person.

#### 4.1. Description of first aid measures

**In the event of splashes or contact with skin**:

Remove contaminated clothing and wash the skin thoroughly with soap and water or a recognised cleaner.

Watch out for any remaining product between skin and clothing, watches, shoes, etc.

In the event of an allergic reaction, seek medical attention.

If the contaminated area is widespread and/or there is damage to the skin, a doctor must be consulted or the patient transferred to hospital.

**In the event of swallowing**:

Do not give the patient anything orally.

In the event of swallowing, if the quantity is small (no more than one mouthful), rinse the mouth with water and consult a doctor.

Seek medical attention immediately, showing the label.

#### 4.2. Most important symptoms and effects, both acute and delayed

No data available.

#### 4.3. Indication of any immediate medical attention and special treatment needed

No data available.

### SECTION 5 : FIREFIGHTING MEASURES

Non-flammable.

#### 5.1. Extinguishing media

#### 5.2. Special hazards arising from the substance or mixture

A fire will often produce a thick black smoke. Exposure to decomposition products may be hazardous to health.

Do not breathe in smoke.

---

<table>
<thead>
<tr>
<th>CAS: 8011-86-7</th>
<th>ACIDE NAPHTALÈNEDISULFONIQUE-4,7,AMINO-4-HYDROTOXY-5,DIAZOTÉ COUPLÈ AVEC DE L’AMINO-2-DINITRO-4,6 PHÉNOL DIAZOTÉE ET LE RÉSOCRINOL, SELS DE SODIUMS</th>
<th>GHS07, Wng</th>
<th>Xi: H:319 R: 36</th>
</tr>
</thead>
<tbody>
<tr>
<td>INDEX: 603-096-00-8</td>
<td>2-(2-BUTOXYETHOXY)ETHANOL</td>
<td>GHS07, Wng</td>
<td>Xi: H:319 R: 36</td>
</tr>
<tr>
<td>INDEX: 603-0001-00-X</td>
<td>METHANOL</td>
<td>GHS02, GHS06, GHS08, Dgr T,F</td>
<td>H:225-331-311-301-370 R: 11-23/24/25-39/23/24/25</td>
</tr>
</tbody>
</table>

0 <= x % < 1
5.3. Advice for firefighters

No data available.

SECTION 6 : ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

Consult the safety measures listed under headings 7 and 8.

For non fire-fighters

Avoid any contact with the skin and eyes.

For fire-fighters

Fire-fighters will be equipped with suitable personal protective equipment (See section 8).

6.2. Environmental precautions

Contain and control the leaks or spills with non-combustible absorbent materials such as sand, earth, vermiculite, diatomaceous earth in drums for waste disposal.

Prevent any material from entering drains or waterways.

6.3. Methods and material for containment and cleaning up

Clean preferably with a detergent, do not use solvents.

6.4. Reference to other sections

No data available.

SECTION 7 : HANDLING AND STORAGE

Requirements relating to storage premises apply to all facilities where the mixture is handled.

Individuals with a history of skin sensitisation should not, under any circumstance, handle this mixture.

7.1. Precautions for safe handling

Always wash hands after handling.

Remove and wash contaminated clothing before re-using.

Fire prevention :

Prevent access by unauthorised personnel.

Recommended equipment and procedures :

For personal protection, see section 8.

Observe precautions stated on label and also industrial safety regulations.

Prohibited equipment and procedures :

No smoking, eating or drinking in areas where the mixture is used.

7.2. Conditions for safe storage, including any incompatibilities

No data available.

Storage

Keep out of reach of children.

Packaging

Always keep in packaging made of an identical material to the original.

7.3. Specific end use(s)

No data available.

SECTION 8 : EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

Occupational exposure limits :

8.2. Exposure controls

Personal protection measures, such as personal protective equipment

Pictogram(s) indicating the obligation of wearing personal protective equipment (PPE):

Use personal protective equipment that is clean and has been properly maintained.
Store personal protective equipment in a clean place, away from the work area.
Never eat, drink or smoke during use. Remove and wash contaminated clothing before re-using. Ensure that there is adequate ventilation, especially in confined areas.

- Eye / face protection
Avoid contact with eyes.
Use eye protectors designed to protect against liquid splashes
Before handling, wear safety goggles in accordance with standard EN166.

- Hand protection
Use suitable protective gloves that are resistant to chemical agents in accordance with standard EN374.
Gloves must be selected according to the application and duration of use at the workstation.
Protective gloves need to be selected according to their suitability for the workstation in question: other chemical products that may be handled, necessary physical protections (cutting, pricking, heat protection), level of dexterity required.
Type of gloves recommended:
- Natural latex
Recommended properties:
- Impervious gloves in accordance with standard EN374

- Body protection
Avoid skin contact.
Wear suitable protective clothing.
Suitable type of protective clothing:
In the event of substantial spatter, wear liquid-tight protective clothing against chemical risks (type 3) in accordance with EN14605 to prevent skin contact.
In the event of a risk of splashing, wear protective clothing against chemical risks (type 6) in accordance with EN13034 to prevent skin contact.
Work clothing worn by personnel shall be laundered regularly.
After contact with the product, all parts of the body that have been soiled must be washed.
SECTION 9 : PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

General information:

- Physical state: viscous liquid.

Important health, safety and environmental information:

- pH: Not stated, slightly basic.
- Boiling point/boiling range: not specified.
- Flash point interval: not relevant.
- Vapour pressure: not relevant.
- Density: > 1
- Water solubility: Dilutable.
- Melting point/melting range: not specified.
- Self-ignition temperature: not specified.
- Decomposition point/decomposition range: not specified.

9.2. Other information:

No data available.

SECTION 10 : STABILITY AND REACTIVITY

10.1. Reactivity:

No data available.

10.2. Chemical stability:

This mixture is stable under the recommended handling and storage conditions in section 7.

10.3. Possibility of hazardous reactions:

No data available.

10.4. Conditions to avoid:

10.5. Incompatible materials:

10.6. Hazardous decomposition products:

The thermal decomposition may release/form:
- carbon monoxide (CO)
- carbon dioxide (CO2)

SECTION 11 : TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects:

- May cause an allergic reaction by skin contact.

11.1.1. Substances:

- No toxicological data available for the substances.

11.1.2. Mixture:

- No toxicological data available for the mixture.

Monograph(s) from the IARC (International Agency for Research on Cancer):

- CAS 64-17-5: IARC Group 1: The agent is carcinogenic to humans.
SECTION 12 : ECOLOGICAL INFORMATION

Harmful to aquatic life with long lasting effects.

The product must not be allowed to run into drains or waterways.

12.1. Toxicity
12.1.1. Substances
No aquatic toxicity data available for the substances.

12.1.2. Mixtures
No aquatic toxicity data available for the mixture.

12.2. Persistence and degradability
No data available.

12.3. Bioaccumulative potential
No data available.

12.4. Mobility in soil
No data available.

12.5. Results of PBT and vPvB assessment
No data available.

12.6. Other adverse effects
No data available.

SECTION 13 : DISPOSAL CONSIDERATIONS

Proper waste management of the mixture and/or its container must be determined in accordance with Directive 2008/98/EC.

13.1. Waste treatment methods
Do not pour into drains or waterways.

Waste :
Waste management is carried out without endangering human health, without harming the environment and, in particular without risk to water, air, soil, plants or animals.
Recycle or dispose of waste in compliance with current legislation, preferably via a certified collector or company.
Do not contaminate the ground or water with waste, do not dispose of waste into the environment.

Soiled packaging :
Empty container completely. Keep label(s) on container.
Give to a certified disposal contractor.

SECTION 14 : TRANSPORT INFORMATION

Exempt from transport classification and labelling.

SECTION 15 : REGULATORY INFORMATION

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

Banned from sale to the general public (EC Regulation No. 1907/2006) - For professional users only.
For professional users only.

- Particular provisions :
No data available.
15.2. Chemical safety assessment

No data available.

SECTION 16 : OTHER INFORMATION

Since the user's working conditions are not known by us, the information supplied on this safety data sheet is based on our current level of knowledge and on national and community regulations.

The mixture must not be used for other uses than those specified in section 1 without having first obtained written handling instructions.

It is at all times the responsibility of the user to take all necessary measures to comply with legal requirements and local regulations.

The information in this safety data sheet must be regarded as a description of the safety requirements relating to the mixture and not as a guarantee of the properties thereof.

Title for H, EUH and R indications mentioned in section 3 :

H225 Highly flammable liquid and vapour.
H301 Toxic if swallowed.
H311 Toxic in contact with skin.
H314 Causes severe skin burns and eye damage.
H317 May cause an allergic skin reaction.
H319 Causes serious eye irritation.
H331 Toxic if inhaled.
H370 Causes damage to organs .
H410 Very toxic to aquatic life with long lasting effects.
R 11 Highly flammable.
R 23/24/25 Toxic by inhalation, in contact with skin and if swallowed.
R 34 Causes burns.
R 36 Irritating to eyes.
R 39/23/24/25 Toxic: danger of very serious irreversible effects through inhalation, in contact with skin and if swallowed.
R 43 May cause sensitisation by skin contact.
R 50/53 Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Abbreviations :

ADR : European agreement concerning the international carriage of dangerous goods by Road.
IMDG : International Maritime Dangerous Goods.
IATA : International Air Transport Association.
ICAO : International Civil Aviation Organisation
RID : Regulations concerning the International carriage of Dangerous goods by rail.
GHS07 : Exclamation mark
SAFETY DATA SHEET
(REACH regulation (EC) n° 1907/2006 - n° 453/2010)

SECTION 1 : IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1. Product identifier
Product name : TINFIX DESIGN GRIS NUAGE
Product code : N143006.094.

1.2. Relevant identified uses of the substance or mixture and uses advised against

1.3. Details of the supplier of the safety data sheet
Registered company name : Max Sauer SAS.
Address : 2 rue Lamarck.22000.Saint Brieuc.France.
Telephone : 0033(0)296682000.    Fax : 0033(0)296770065.
mail@raphael.fr

1.4. Emergency telephone number : +33 (0)1 45 42 59 59.

SECTION 2 : HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture
In compliance with EC regulation No. 1272/2008 and its amendments.
Skin sensitisation, Category 1 (Skin Sens. 1, H317).
This mixture does not present a physical hazard. Refer to the recommendations regarding the other products present on the site.
This mixture does not present an environmental hazard. No known or foreseeable environmental damage under standard conditions of use.

Skin sensitisation (Xi, R 43).
This mixture does not present a physical hazard. Refer to the recommendations regarding the other products present on the site.
This mixture does not present an environmental hazard. No known or foreseeable environmental damage under standard conditions of use.

2.2. Label elements
In compliance with EC regulation No. 1272/2008 and its amendments.

GHS07
Signal Word : WARNING

Product identifiers :

Additional labeling : For professional use only.

Hazard statements :
H317 May cause an allergic skin reaction.

Precautionary statements - General :
P101 If medical advice is needed, have product container or label at hand.
P102 Keep out of reach of children.
P103 Read label before use.

Precautionary statements - Prevention:
P261 Avoid breathing dust/fume/gas/mist/vapours/spray.
P272 Contaminated work clothing should not be allowed out of the workplace.
P280 Wear protective gloves/protective clothing/eye protection/face protection.

Precautionary statements - Response:
P302 + P352 IF ON SKIN: Wash with plenty of soap and water.
P321 Specific treatment (see ... on this label).
P333 + P313 If skin irritation or rash occurs: Get medical advice/attention.
P363 Wash contaminated clothing before reuse.

Precautionary statements - Disposal:
P501 Dispose of contents/container to ...


Hazard symbols:

Contains:

MIXTURE OF: 5-CHLORO-2-METHYL-4-ISOTHIAZOLIN-3-ONE [EC NO. 247-500-7] AND
2-METHYL-2HISOTHIAZOL-3-ONE [EC NO. 220-239-6] (3:1)

Risk phrase:
R 43 May cause sensitisation by skin contact.

Safety phrase:
S 2 Keep out of the reach of children.
S 24 Avoid contact with skin.
S 37 Wear suitable gloves.
S 46 If swallowed, seek medical advice immediately and show this container or label.
S 13 Keep away from food, drink and animal feedingstuffs.


2.3. Other hazards
No data available.

SECTION 3 : COMPOSITION/INFORMATION ON INGREDIENTS

3.1. Substances
No substances fulfil the criteria set forth in annexe II section A of the REACH regulation (EC) n° 1907/2006.

3.2. Mixtures

<table>
<thead>
<tr>
<th>Composition:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Identification</td>
</tr>
<tr>
<td>INDEX: 603-001-00-X</td>
</tr>
<tr>
<td>CAS: 67-56-1</td>
</tr>
<tr>
<td>EC: 200-659-6</td>
</tr>
<tr>
<td>CAS: 57693-14-8</td>
</tr>
<tr>
<td>EC: 2602-906-9</td>
</tr>
</tbody>
</table>
SECTION 4 : FIRST AID MEASURES

As a general rule, in case of doubt or if symptoms persist, always call a doctor.
NEVER induce swallowing by an unconscious person.

4.1. Description of first aid measures

In the event of splashes or contact with skin:
Remove contaminated clothing and wash the skin thoroughly with soap and water or a recognised cleaner.
Watch out for any remaining product between skin and clothing, watches, shoes, etc.
In the event of an allergic reaction, seek medical attention.
If the contaminated area is widespread and/or there is damage to the skin, a doctor must be consulted or the patient transferred to hospital.

In the event of swallowing:
Do not give the patient anything orally.
In the event of swallowing, if the quantity is small (no more than one mouthful), rinse the mouth with water and consult a doctor.
Seek medical attention immediately, showing the label.

4.2. Most important symptoms and effects, both acute and delayed
No data available.

4.3. Indication of any immediate medical attention and special treatment needed
No data available.

SECTION 5 : FIREFIGHTING MEASURES

Non-flammable.

5.1. Extinguishing media

5.2. Special hazards arising from the substance or mixture:
A fire will often produce a thick black smoke. Exposure to decomposition products may be hazardous to health.
Do not breathe in smoke.
In the event of a fire, the following may be formed:
- carbon monoxide (CO)
- carbon dioxide (CO2)

5.3. Advice for firefighters
No data available.

SECTION 6 : ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures
Consult the safety measures listed under headings 7 and 8.

For non-fighters
Avoid any contact with the skin and eyes.

For fire-fighters
Fire-fighters will be equipped with suitable personal protective equipment (See section 8).

6.2. Environmental precautions
Contain and control the leaks or spills with non-combustible absorbent materials such as sand, earth, vermiculite, diatomaceous earth in drums for waste disposal.
Prevent any material from entering drains or waterways.
6.3. Methods and material for containment and cleaning up
Clean preferably with a detergent, do not use solvents.

6.4. Reference to other sections
No data available.

SECTION 7 : HANDLING AND STORAGE
Requirements relating to storage premises apply to all facilities where the mixture is handled.
Individuals with a history of skin sensitisation should not, under any circumstance, handle this mixture.

7.1. Precautions for safe handling
Always wash hands after handling.
Remove and wash contaminated clothing before re-using.

Fire prevention :
Prevent access by unauthorised personnel.

Recommended equipment and procedures :
For personal protection, see section 8.
Observe precautions stated on label and also industrial safety regulations.

Prohibited equipment and procedures :
No smoking, eating or drinking in areas where the mixture is used.

7.2. Conditions for safe storage, including any incompatibilities
No data available.

Storage
Keep out of reach of children.

Packaging
Always keep in packaging made of an identical material to the original.

7.3. Specific end use(s)
No data available.

SECTION 8 : EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters
Occupational exposure limits :
CAS VME-mg/m3 : VME-ppm : VLE-mg/m3 : VLE-ppm : Notes :
67-56-1 260 200 - - Peau
- ACGIH TLV (American Conference of Governmental Industrial Hygienists, Threshold Limit Values, 2010) :
CAS TWA : STEL : Ceiling : Definition : Criteria :
67-56-1 200 ppm 250 ppm - - -
- Germany - AGW (BAuA - TRGS 900, 21/06/2010) :
CAS VME : VME : VME : VME :
67-56-1 200 ml/m3 200 ppm 270 mg/m3 4(II)
- France (INRS - ED984 :2008) :
CAS VME-ppm : VME-mg/m3 : VLE-ppm : VLE-mg/m3 : Notes : TMP No :
67-56-1 200 260 1000 1300 (12) 84
- UK / WEL (Workplace exposure limits, EH40/2005, 2007) :
CAS TWA : STEL : Ceiling : Definition : Criteria :
67-56-1 200 ppm 250 ppm - - -

8.2. Exposure controls
Personal protection measures, such as personal protective equipment
Pictogram(s) indicating the obligation of wearing personal protective equipment (PPE):

- Eye / face protection
  Avoid contact with eyes.
  Use eye protectors designed to protect against liquid splashes
  Before handling, wear safety goggles in accordance with standard EN166.

- Hand protection
  Wear suitable protective gloves in the event of prolonged or repeated skin contact.
  Use suitable protective gloves that are resistant to chemical agents in accordance with standard EN374.
  Gloves must be selected according to the application and duration of use at the workstation.
  Protective gloves need to be selected according to their suitability for the workstation in question: other chemical products that may be handled, necessary physical protections (cutting, pricking, heat protection), level of dexterity required.
  Type of gloves recommended:
  - Natural latex
  - Impervious gloves in accordance with standard EN374

- Body protection
  Avoid skin contact.
  Wear suitable protective clothing.
  Suitable type of protective clothing:
  In the event of substantial spatter, wear liquid-tight protective clothing against chemical risks (type 3) in accordance with EN14605 to prevent skin contact.
  In the event of a risk of splashing, wear protective clothing against chemical risks (type 6) in accordance with EN13034 to prevent skin contact.
  Work clothing worn by personnel shall be laundered regularly.
  After contact with the product, all parts of the body that have been soiled must be washed.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

General information:
- Physical state: Viscous liquid.

Important health, safety and environmental information:
- pH: Not stated. Slightly basic.
- Boiling point/boiling range: Not specified.
- Flash point interval: Not relevant.
- Vapour pressure: Not relevant.
- Density: > 1
- Water solubility: Dilutable.
- Melting point/melting range: Not specified.
- Self-ignition temperature: Not specified.
- Decomposition point/decomposition range: Not specified.
9.2. Other information
No data available.

SECTION 10 : STABILITY AND REACTIVITY

10.1. Reactivity
No data available.

10.2. Chemical stability
This mixture is stable under the recommended handling and storage conditions in section 7.

10.3. Possibility of hazardous reactions
No data available.

10.4. Conditions to avoid

10.5. Incompatible materials

10.6. Hazardous decomposition products
The thermal decomposition may release/form:
- carbon monoxide (CO)
- carbon dioxide (CO2)

SECTION 11 : TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects
May cause an allergic reaction by skin contact.

11.1.1. Substances
No toxicological data available for the substances.

11.1.2. Mixture
No toxicological data available for the mixture.

Monograph(s) from the IARC (International Agency for Research on Cancer):
CAS 64-17-5: IARC Group 1: The agent is carcinogenic to humans.

SECTION 12 : ECOLOGICAL INFORMATION

12.1. Toxicity

12.1.1. Substances
No aquatic toxicity data available for the substances.

12.1.2. Mixtures
No aquatic toxicity data available for the mixture.

12.2. Persistence and degradability
No data available.

12.3. Bioaccumulative potential
No data available.

12.4. Mobility in soil
No data available.

12.5. Results of PBT and vPvB assessment
No data available.

12.6. Other adverse effects
No data available.
SECTION 13: DISPOSAL CONSIDERATIONS

Proper waste management of the mixture and/or its container must be determined in accordance with Directive 2008/98/EC.

13.1. Waste treatment methods

Do not pour into drains or waterways.

Waste:

Waste management is carried out without endangering human health, without harming the environment and, in particular without risk to water, air, soil, plants or animals.

Recycle or dispose of waste in compliance with current legislation, preferably via a certified collector or company.

Do not contaminate the ground or water with waste, do not dispose of waste into the environment.

Soiled packaging:

Empty container completely. Keep label(s) on container.

Give to a certified disposal contractor.

SECTION 14: TRANSPORT INFORMATION

Exempt from transport classification and labelling.


SECTION 15: REGULATORY INFORMATION

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture


Banned from sale to the general public (EC Regulation No. 1907/2006) - For professional users only.

For professional users only.

- Particular provisions:

No data available.

- Standardised American system for the identification of hazards presented by the product in view of emergency procedures (NFPA 704):

NFPA 704, Labelling: Health=2, Inflammability=1, Instability/Reactivity=1, Specific Risk=none

15.2. Chemical safety assessment

No data available.

SECTION 16: OTHER INFORMATION

Since the user's working conditions are not known by us, the information supplied on this safety data sheet is based on our current level of knowledge and on national and community regulations.

The mixture must not be used for other uses than those specified in section 1 without having first obtained written handling instructions.

It is at all times the responsibility of the user to take all necessary measures to comply with legal requirements and local regulations.

The information in this safety data sheet must be regarded as a description of the safety requirements relating to the mixture and not as a guarantee of the properties thereof.

Title for H, EUH and R indications mentioned in section 3:

H225 Highly flammable liquid and vapour.

H301 Toxic if swallowed.
H311 Toxic in contact with skin.
H314 Causes severe skin burns and eye damage.
H317 May cause an allergic skin reaction.
H331 Toxic if inhaled.
H370 Causes damage to organs.
H410 Very toxic to aquatic life with long lasting effects.
H411 Toxic to aquatic life with long lasting effects.
R 11 Highly flammable.
R 23/24/25 Toxic by inhalation, in contact with skin and if swallowed.
R 34 Causes burns.
R 39/23/24/25 Toxic; danger of very serious irreversible effects through inhalation, in contact with skin and if swallowed.
R 43 May cause sensitisation by skin contact.
R 50/53 Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R 51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Abbreviations:
ADR : European agreement concerning the international carriage of dangerous goods by Road.
IMDG : International Maritime Dangerous Goods.
IATA : International Air Transport Association.
ICAO : International Civil Aviation Organisation
RID : Regulations concerning the International carriage of Dangerous goods by rail.
GHS07 : Exclamation mark
SAFETY DATA SHEET
(REACH regulation (EC) n° 1907/2006 - n° 453/2010)

SECTION 1 : IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1. Product identifier

Product name : TINFIX DESIGN GRIS PIGEON
Product code : N143006.096.

1.2. Relevant identified uses of the substance or mixture and uses advised against

1.3. Details of the supplier of the safety data sheet

Registered company name : Max Sauer SAS.
Address : 2 rue Lamarck.22000.Saint Brieuc.France.
Telephone : 0033(0)296682000. Fax : 0033(0)296770065.
mail@raphael.fr

1.4. Emergency telephone number : +33 (0)1 45 42 59 59.

SECTION 2 : HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

In compliance with EC regulation No. 1272/2008 and its amendments.
May produce an allergic reaction (EUH208).
This mixture does not present a physical hazard. Refer to the recommendations regarding the other products present on the site.
This mixture does not present a health hazard.
This mixture does not present an environmental hazard. No known or foreseeable environmental damage under standard conditions of use.

May produce an allergic reaction.
This mixture does not present a physical hazard. Refer to the recommendations regarding the other products present on the site.
This mixture does not present a health hazard.
This mixture does not present an environmental hazard. No known or foreseeable environmental damage under standard conditions of use.

2.2. Label elements

In compliance with EC regulation No. 1272/2008 and its amendments.
Additional labeling :
EUH208 Contains ACID BLACK 194. May produce an allergic reaction. For professional use only.

Contains :
ACID BLACK 194. May produce an allergic reaction.

2.3. Other hazards

No data available.
SECTION 3 : COMPOSITION/INFORMATION ON INGREDIENTS

3.1. Substances
No substances fulfil the criteria set forth in annexe II section A of the REACH regulation (EC) n° 1907/2006.

3.2. Mixtures
Composition :

<table>
<thead>
<tr>
<th>Identification</th>
<th>Name</th>
<th>Classification</th>
<th>%</th>
</tr>
</thead>
<tbody>
<tr>
<td>CAS: 57693-14-8</td>
<td>ACID BLACK 194</td>
<td>GHS09, GHS07, Wng Xi,N</td>
<td>0 &lt;= x % &lt; 1</td>
</tr>
</tbody>
</table>

SECTION 4 : FIRST AID MEASURES

As a general rule, in case of doubt or if symptoms persist, always call a doctor.
NEVER induce swallowing by an unconscious person.

4.1. Description of first aid measures
In the event of exposure by inhalation :
In the event of an allergic reaction, seek medical attention.

In the event of splashes or contact with skin :
In the event of an allergic reaction, seek medical attention.

In the event of swallowing :
Seek medical attention, showing the label.

4.2. Most important symptoms and effects, both acute and delayed
No data available.

4.3. Indication of any immediate medical attention and special treatment needed
No data available.

SECTION 5 : FIREFIGHTING MEASURES

Non-flammable.

5.1. Extinguishing media

5.2. Special hazards arising from the substance or mixture
A fire will often produce a thick black smoke. Exposure to decomposition products may be hazardous to health.
Do not breathe in smoke.
In the event of a fire, the following may be formed :
- carbon monoxide (CO)
- carbon dioxide (CO2)

5.3. Advice for firefighters
No data available.

SECTION 6 : ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures
Consult the safety measures listed under headings 7 and 8.

For fire-fighters
Fire-fighters will be equipped with suitable personal protective equipment (See section 8).

6.2. Environmental precautions
Contain and control the leaks or spills with non-combustible absorbent materials such as sand, earth, vermiculite, diatomaceous earth in drums for waste disposal.
Prevent any material from entering drains or waterways.
6.3. Methods and material for containment and cleaning up
Clean preferably with a detergent, do not use solvents.

6.4. Reference to other sections
No data available.

SECTION 7 : HANDLING AND STORAGE
Requirements relating to storage premises apply to all facilities where the mixture is handled.

7.1. Precautions for safe handling
Always wash hands after handling.

Fire prevention:
Prevent access by unauthorised personnel.

Recommended equipment and procedures:
For personal protection, see section 8.
Observe precautions stated on label and also industrial safety regulations.

Prohibited equipment and procedures:
No smoking, eating or drinking in areas where the mixture is used.

7.2. Conditions for safe storage, including any incompatibilities
No data available.

Storage
Keep out of reach of children.

Packaging
Always keep in packaging made of an identical material to the original.

7.3. Specific end use(s)
No data available.

SECTION 8 : EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters
No data available.

8.2. Exposure controls

Personal protection measures, such as personal protective equipment

Pictogram(s) indicating the obligation of wearing personal protective equipment (PPE):

Use personal protective equipment that is clean and has been properly maintained.
Store personal protective equipment in a clean place, away from the work area.
Never eat, drink or smoke during use. Remove and wash contaminated clothing before re-using. Ensure that there is adequate ventilation, especially in confined areas.

- Eye / face protection
Avoid contact with eyes.
Use eye protectors designed to protect against liquid splashes
Before handling, wear safety goggles in accordance with standard EN166.

- Hand protection
Wear suitable protective gloves in the event of prolonged or repeated skin contact.
Type of gloves recommended:
- Natural latex

- Body protection
Work clothing worn by personnel shall be laundered regularly.
After contact with the product, all parts of the body that have been soiled must be washed.

SECTION 9 : PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

General information:
Physical state: viscous liquid.

Important health, safety and environmental information
pH: Not stated.
Boiling point/boiling range: not specified.
Flash point interval: not relevant.
Vapour pressure: not relevant.
Density: > 1
Water solubility: Dilutable.
Melting point/melting range: not specified.
Self-ignition temperature: not specified.
Decomposition point/decomposition range: not specified.

9.2. Other information
No data available.

SECTION 10 : STABILITY AND REACTIVITY

10.1. Reactivity
No data available.

10.2. Chemical stability
This mixture is stable under the recommended handling and storage conditions in section 7.

10.3. Possibility of hazardous reactions
No data available.

10.4. Conditions to avoid

10.5. Incompatible materials

10.6. Hazardous decomposition products
The thermal decomposition may release/form:
- carbon monoxide (CO)
- carbon dioxide (CO2)

SECTION 11 : TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects
No data available.

11.1.1. Substances
No toxicological data available for the substances.

11.1.2. Mixture
No toxicological data available for the mixture.

Respiratory or skin sensitisation:
Contains at least one sensitising substance. May cause an allergic reaction.

Monograph(s) from the IARC (International Agency for Research on Cancer):
CAS 64-17-5 : IARC Group 1 : The agent is carcinogenic to humans.
SECTION 12 : ECOLOGICAL INFORMATION

12.1. Toxicity
12.1.1. Substances
No aquatic toxicity data available for the substances.
12.1.2. Mixtures
No aquatic toxicity data available for the mixture.

12.2. Persistence and degradability
No data available.

12.3. Bioaccumulative potential
No data available.

12.4. Mobility in soil
No data available.

12.5. Results of PBT and vPvB assessment
No data available.

12.6. Other adverse effects
No data available.

SECTION 13 : DISPOSAL CONSIDERATIONS

Proper waste management of the mixture and/or its container must be determined in accordance with Directive 2008/98/EC.

13.1. Waste treatment methods
Do not pour into drains or waterways.

Waste :
Waste management is carried out without endangering human health, without harming the environment and, in particular without risk to water, air, soil, plants or animals.
Recycle or dispose of waste in compliance with current legislation, preferably via a certified collector or company.
Do not contaminate the ground or water with waste, do not dispose of waste into the environment.

Soiled packaging :
Empty container completely. Keep label(s) on container.
Give to a certified disposal contractor.

SECTION 14 : TRANSPORT INFORMATION

Exempt from transport classification and labelling.

SECTION 15 : REGULATORY INFORMATION

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture
Banned from sale to the general public (EC Regulation No. 1907/2006) - For professional users only.
For professional users only.

- Particular provisions :
No data available.
- Standardised American system for the identification of hazards presented by the product in view of emergency procedures (NFPA 704):
  NFPA 704, Labelling: Health=0 Inflammability=1 Instability/Reactivity=1 Specific Risk=none

15.2. Chemical safety assessment
No data available.

SECTION 16: OTHER INFORMATION
Since the user's working conditions are not known by us, the information supplied on this safety data sheet is based on our current level of knowledge and on national and community regulations.

The mixture must not be used for other uses than those specified in section 1 without having first obtained written handling instructions.

It is at all times the responsibility of the user to take all necessary measures to comply with legal requirements and local regulations.

The information in this safety data sheet must be regarded as a description of the safety requirements relating to the mixture and not as a guarantee of the properties thereof.

Title for H, EUH and R indications mentioned in section 3:

H317 May cause an allergic skin reaction.
H411 Toxic to aquatic life with long lasting effects.
EUH208 Contains <name of sensitising substance>. May produce an allergic reaction.
R 43 May cause sensitisation by skin contact.
R 51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Abbreviations:
ADR: European agreement concerning the international carriage of dangerous goods by Road.
IMDG: International Maritime Dangerous Goods.
IATA: International Air Transport Association.
ICAO: International Civil Aviation Organisation.
RID: Regulations concerning the International carriage of Dangerous goods by rail.
FICHE DE DONNÉES DE SÉCURITÉ
(Règlement REACH (CE) n° 1907/2006 - n° 453/2010)

SECTION 1 : IDENTIFICATION DE LA SUBSTANCE/DU MÉLANGE ET DE LA SOCIÉTÉ/L'ENTREPRISE

1.1. Identificateur de produit
Nom du produit : TINFIX DESIGN GRIS D'INDIGO
Code du produit : N143006.099

1.2. Utilisations identifiées pertinentes de la substance ou du mélange et utilisations déconseillées

1.3. Renseignements concernant le fournisseur de la fiche de données de sécurité
Raison Sociale : Max Sauer SAS.
Adresse : 2 rue Lamarck, 22000 Saint Brieuc, France.
Téléphone : 0033(0)296682000. Fax : 0033(0)296770065.
mail@raphael.fr

1.4. Numéro d’appel d’urgence : +33 (0)1 45 42 59 59.

SECTION 2 : IDENTIFICATION DES DANGERS

2.1. Classification de la substance ou du mélange
Conformément au règlement (CE) n° 1272/2008 et ses adaptations.
Sensibilisation cutanée, Catégorie 1 (Skin Sens. 1, H317).
Toxicité chronique pour le milieu aquatique, Catégorie 3 (Aquatic Chronic 3, H412).
Ce mélange ne présente pas de danger physique. Voir les préconisations concernant les autres produits présents dans le local.

Conformément aux directives 67/548/CEE, 1999/45/CE et leurs adaptations.
Sensibilisation cutanée (Xi, R 43).
Dangereux pour l'environnement aquatique ; toxicité chronique : nocif (R 52/53).
Ce mélange ne présente pas de danger physique. Voir les préconisations concernant les autres produits présents dans le local.

2.2. Éléments d’étiquetage
Conformément au règlement (CE) n° 1272/2008 et ses adaptations.
Pictogrammes de danger :

GHS07
Mention d'avertissement :
ATTENTION
Identificateur du produit :

Etiquetage additionnel :
Réservé aux utilisateurs professionnels.
Mentions de danger et informations additionnelles sur les dangers :
H317 Peut provoquer une allergie cutanée.
H412 Nocif pour les organismes aquatiques, entraîne des effets néfastes à long terme.
Conseils de prudence - Généraux :
P101 En cas de consultation d’un médecin, garder à disposition le récipient ou l’étiquette.
P102 Tenir hors de portée des enfants.
P103
Conseils de prudence - Prévention :
P261 Éviter de respirer les poussières/lumées/gaz/brouillards/vapeurs/aérosols.
P272 Les vêtements de travail contaminés ne devraient pas sortir du lieu de travail.
P733 Éviter le rejet dans l'environnement.
P780 Porter des gants de protection/des vêtements de protection/un équipement de protection des yeux/du visage.

Conseils de prudence - Intervention :
P302 + P352 EN CAS DE CONTACT AVEC LA PEAU: laver abondamment à l'eau et au savon.
P321 Traitement spécifique (voir ... sur cette étiquette).
P333 + P313 En cas d’irritation ou d’éruption cutanée: consulter un médecin.
P363 1) Aviser les vêtements contaminés avant réutilisation.
P501 Éliminer le contenu/étuvée dans ...

Conformément aux directives 67/548/CEE, 1999/45/CE et leurs adaptations.

Symboles de danger :

Irritant

Contient du :
613-167-00-5 MELANGE DE: 5-CHLORO-2-METHYL-2H-ISOTHIAZOL-3-ONE [NO.CE 247-500-7];
2-METHYL-2H-ISOTHIAZOL-3-ONE [NO. CE 220-239-6] (3:1)
EC 276-127-2 2,5-DICHLORO-4-[4-[[5-[[([DODECYLXOXY]CARBONYL]AMINO]-2-SULFONATOPHENYL]AZOL]
-4,5-DIHYDRO-3-METHYL-5-OXO-1H-PYRAZOLE-1-YL]BENZENSULFONATE DE DISODIUM

Phrases de risque :
R 5/20.5 Nocif pour les organismes aquatiques, peut entraîner des effets néfastes à long terme pour l'environnement aquatique.
R 43 Peut entraîner une sensibilisation par contact avec la peau.

Phrases de sécurité :
S 2 Conserver hors de la portée des enfants.
S 24 Éviter le contact avec la peau.
S 37 Porter des gants appropriés.
S 46 En cas d'ingestion, consulter immédiatement un médecin et lui montrer l'emballage ou l'étiquette.
S 13 Conserver à l'écart des aliments et boissons, y compris ceux pour animaux.

2.3. Autres dangers
Aucune donnée n'est disponible.

SECTION 3 : COMPOSITION/INFORMATIONS SUR LES COMPOSANTS

3.1. Substances
Aucune substance ne répond aux critères énoncés dans l'annexe II partie A du règlement REACH (CE) n° 1907/2006.

3.2. Mélange
Composition :

<table>
<thead>
<tr>
<th>Identification</th>
<th>Nom</th>
<th>Classification</th>
<th>%</th>
</tr>
</thead>
<tbody>
<tr>
<td>INDEX. 603-096-00-8</td>
<td>(BUTOXYETHOXY)ETHANOL -2</td>
<td>CHS07, Wing</td>
<td>2.5 &lt;= x &lt;= 10</td>
</tr>
<tr>
<td>CAS: 112-34-5</td>
<td>Xi</td>
<td>H:319</td>
<td></td>
</tr>
<tr>
<td>EC: 203-961-6</td>
<td>R: 36</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
SECTION 4 : PREMIERS SECOURS

D’une manière générale, en cas de doute ou si des symptômes persistent, toujours faire appel à un médecin.
NE JAMAIS rien faire ingérer à une personne inconsciente.

4.1. Description des premiers secours

En cas de contact avec la peau :
Enterrer les vêtements impregnés et laver soigneusement la peau avec de l’eau et du savon ou utiliser un nettoyant connu.
Prendre garde au produit pouvant subsister entre la peau et les vêtements, la montre, les chaussures, ...
En cas de manifestation allergique, consulter un médecin.
Lorsque la zone contaminée est étendue et/ou s’il apparaît des lésions cutanées, il est nécessaire de consulter un médecin ou de faire transférer en milieu hospitalier.

En cas d’ingestion :
Ne rien faire absorber par la bouche.
En cas d’ingestion, si la quantité est peu importante, (pas plus d’une gorgée), rincer la bouche avec de l’eau et consulter un médecin.
Faire immédiatement appel à un médecin et lui montrer l’étiquette.

4.2. Principaux symptômes et effets, aigus et différés
Aucune donnée n’est disponible.

4.3. Indication des éventuels soins médicaux immédiats et traitements particuliers nécessaires
Aucune donnée n’est disponible.

SECTION 5 : MESURES DE LUTTE CONTRE L’INCENDIE

Non inflammable.

5.1. Moyens d’extinction

5.2. Dangers particuliers résultant de la substance ou du mélange

Un incendie produira souvent une épaisse fumée noire. L’exposition aux produits de décomposition peut comporter des risques pour la santé.
Ne pas respirer les fumées.
En cas d’incendie, peut se former :
- monoxyde de carbone (CO)
- dioxyde de carbone (CO2)

5.3. Conseils aux pompiers
Aucune donnée n’est disponible.
SECTION 6 : MESURES À PRENDRE EN CAS DE DISPERSION ACCIDENTELLE

6.1. Précautions individuelles, équipement de protection et procédures d’urgence
Se référer aux mesures de protection énumérées dans les sections 7 et 8.

Pour les non-securistes
Eviter tout contact avec la peau et les yeux.

Pour les secouristes
Les intervenants seront équipés d'équipements de protections individuelles appropriés (Se référer à la section 8).

6.2. Précautions pour la protection de l’environnement
Contenir et recueillir les fuites avec des matériaux absorbants non combustibles, par exemple : sable, terre, vermiculite, terre de diatomées dans des fûts en vue de l'élimination des déchets.
Empêcher toute réénétration dans les écouts ou cours d'eau.

6.3. Méthodes et matériel de confinement et de nettoyage
Nettoyer de préférence avec un détergent, éviter l'utilisation de solvants.

6.4. Référence à d’autres sections
Aucune donnée n’est disponible.

SECTION 7 : MANIPULATION ET STOCKAGE
Les prescriptions relatives aux locaux de stockage sont applicables aux ateliers où est manipulé le mélange.
Les personnes qui ont des antécédents de sensibilisation cutanée ne doivent en aucun cas manipuler ce mélange.

7.1. Précautions à prendre pour une manipulation sans danger
Se laver les mains après chaque utilisation.
Enlever et laver les vêtements contaminés avant réutilisation.

Prévention des incendies :
Interdire l'accès aux personnes non autorisées.

Equipements et procédures recommandés :
Pour la protection individuelle, voir la section 8.
Observer les précautions indiquées sur l'étiquette ainsi que les réglementations de la protection du travail.

Equipements et procédures interdits :
Il est interdit de fumer, manger et boire dans les locaux où le mélange est utilisé.

7.2. Conditions nécessaires pour assurer la sécurité du stockage, tenant compte d’éventuelles incompatibilités
Aucune donnée n’est disponible.

Stockage
Conserver hors de la portée des enfants.

Emballage
Toujours conserver dans des emballages d'un matériau identique à celui d'origine.

7.3. Utilisation(s) final(s) particulière(s)
Aucune donnée n’est disponible.

SECTION 8 : CONTRÔLES DE L’EXPOSITION/PROTECTION INDIVIDUELLE

8.1. Paramètres de contrôle
Valeurs limites d’exposition professionnelle :

<table>
<thead>
<tr>
<th>CAS</th>
<th>VME mg/m³</th>
<th>VME ppm</th>
<th>VLE mg/m³</th>
<th>VLE ppm</th>
</tr>
</thead>
<tbody>
<tr>
<td>112.24.5</td>
<td>67.5</td>
<td>10</td>
<td>101.2</td>
<td>15</td>
</tr>
<tr>
<td>67-56-1</td>
<td>260</td>
<td>200</td>
<td>-</td>
<td>-</td>
</tr>
</tbody>
</table>

- ACGIH TLV (American Conference of Governmental Industrial Hygienists, Threshold Limit Values, 2010).
### 8.2. Contrôles de l’exposition

**Mesures de protection individuelle, teintes que les équipements de protection individuel**

Pictogramme(s) d’obligation du port d’équipements de protection individuelle (EPI):

![Pictogramme](image)

- Utiliser des équipements de protection individuelle propres et correctement entretenu.
- Stocker les équipements de protection individuelle dans un endroit propre, à l’écart de la zone de travail.
- Lors de l'utilisation, ne pas manger, boire ou fumer. Enlever et laver les vêtements contaminés avant réutilisation. Assurer une ventilation adéquate, surtout dans les endroits clos.

#### Protection des yeux / du visage

- Éviter le contact avec les yeux.
- Utiliser des protections oculaires conçues contre les projections de liquide.

Avant toute manipulation, il est nécessaire de porter des lunettes de sécurité conformes à la norme NF EN166.

#### Protection des mains

- Utiliser des gants de protection appropriés résistants aux agents chimiques conformes à la norme NF tEn4/4.
- La sélection des gants doit être faite en fonction de l’application et de la durée d’utilisation au poste de travail.
- Les gants de protection doivent être choisis en fonction du poste de travail : autres produits chimiques pouvant être manipulés, protections physiques nécessaires (coupe, piqûre, protection thermique), dextérité demandée.
- Type de gants conseillés :
  - Latex naturel
  - Caractéristiques/recommandées:
  - Gants imperméables conformes à la norme NF EN374

#### Protection du corps

- Éviter le contact avec la peau.
- Porter des vêtements de protection appropriés.
- Type de vêtement de protection approprié:
  - En cas de fortes projections, porter des vêtements de protection chimique étanches aux liquides (type 3) conformes à la norme NF EN14605 pour éviter tout contact avec la peau.
  - En cas de risque d’éclaboussures, porter des vêtements de protection chimique (type 6) conformes à la norme NF EN13034 pour éviter tout contact avec la peau.
- Le personnel portera un vêtement de travail régulièrement lavé.
- Après contact avec le produit, toutes les parties du corps souillées devront être lavées.

### SECTION 9 : PROPRIÉTÉS PHYSIQUES ET CHIMIQUES

#### 9.1. Informations sur les propriétés physiques et chimiques essentielles

**Informations générales**

<table>
<thead>
<tr>
<th>Etat Physique</th>
<th>Liquide Visqueux.</th>
</tr>
</thead>
</table>
Informations importantes relatives à la santé, à la sécurité et à l'environnement

- pH : Non précisé.
- Point/Intervalle d'ébullition : Base faible.
- Intervalle de point d'éclair : Non précisé.
- Pression de vapeur : Non concerné.
- Densité : Non précisé.
- Hydrosolubilité : Diluable.
- Point/Intervalle de fusion : Non concerné.
- Point/Intervalle d'auto-inflammation : Non précisé.
- Point/Intervalle de décomposition : Non précisé.

9.2. Autres informations
Non disponible.

SECTION 10 : STABILITÉ ET RÉACTIVITÉ

10.1. Réactivité
Aucune donnée n’est disponible.

10.2. Stabilité chimique
Ce mélange est stable aux conditions de manipulation et de stockage recommandées dans la section 7.

10.3. Possibilité de réactions dangereuses
Aucune donnée n’est disponible.

10.4. Conditions à éviter

10.5. Matières incompatibles

10.6. Produits de décomposition dangereux
La décomposition thermique peut dégager/former :
- monoxyde de carbone (CO)
- dioxyde de carbone (CO₂)

SECTION 11 : INFORMATIONS TOXICOLOGIQUES

11.1. Informations sur les effets toxicologiques
Peut entraîner une réaction allergique par contact cutané.

11.1.1. Substances
Aucune information toxicologique n’est disponible sur les substances.

11.1.2. Mélange
Aucune information toxicologique n’est disponible sur le mélange.

Monographie(s) du CIRC (Centre International de Recherche sur le Cancer) :

Substance(s) décrétée(s) dans une fiche toxicologique de l’INRS (Institut National de Recherche et de Sécurité) :
- Méthanol (CAS 67-56-1) : Voir la fiche toxicologique n° 5 de 2009.
- 2,4-Di(butoxyxéthoxy)éthylationnol (CAS 112-34-3) : Voir la fiche toxicologique n° 254 de 2005.

SECTION 12 : INFORMATIONS ÉCOLOGIQUES

Nocif pour les organismes aquatiques, entraîne des effets à long terme.
Tout écoulement du produit dans les égouts ou les cours d'eau doit être évité.

12.1. Toxicité

12.1.1. Substances
Aucune information de toxicité aquatique n’est disponible sur les substances.
12.1.2. Mélanges
Aucune information de toxicité aquatique n'est disponible sur le mélange.

12.2. Persistance et dégradabilité
Aucune donnée n'est disponible.

12.3. Potentiel de bioaccumulation
Aucune donnée n'est disponible.

12.4. Mobilité dans le sol
Aucune donnée n'est disponible.

12.5. Résultats des évaluations PBT et vPvB
Aucune donnée n'est disponible.

12.6. Autres effets néfastes
Aucune donnée n'est disponible.

SECTION 13 : CONSIDÉRATIONS RELATIVES À L’ÉLIMINATION
Une gestion appropriée des déchets du mélange et/ou de son récipiendaire doit être déterminée conformément aux dispositions de la directive 2008/98/CE.

13.1. Méthodes de traitement des déchets
Ne pas déverser dans les égouts ni dans les cours d'eau.

Déchets :
La gestion des déchets se fait sans mettre en danger la santé humaine et sans nuire à l'environnement, et notamment sans créer de risque pour l'eau, l'air, le sol, la faune ou la flore.
Recycler ou éliminer conformément aux législations en vigueur, de préférence par un collecteur ou une entreprise agréée.
Ne pas contaminer le sol ou l'eau avec des déchets, ne pas procéder à leur élimination dans l'environnement.

Emballages souillés :
Vider complètement le récipiendaire. Conserver l'étiquette sur le récipiendaire.
Remettre à un éliminateur agréé.

SECTION 14 : INFORMATIONS RELATIVES AU TRANSPORT
Exempté du classement et de l'étiquetage Transport.
Transporter le produit conformément aux dispositions de l'ADR pour la route, du RID pour le rail, de l'IMDG pour la mer, et de l'OACI/IATA pour le transport par air (ADR 2011 - IMDG 2010 - OACI/IATA 2012).

SECTION 15 : INFORMATIONS RÉGLEMENTAIRES
15.1. Réglementations/législations particulières à la substance ou au mélange en matière de sécurité, de santé et d'environnement
Produit soumis à une limitation d'emploi : Voir l'annexe XVII du règlement (CE) n° 1907/2006.

- Dispositions particulières :
Aucune donnée n'est disponible.

- Tableaux des maladies professionnelles selon le Code du Travail français :
N° TMP Libellé
65 Lésions eczématiformes de mécanisme allergique.
84 Affections engendrées par les solvants organiques liquides à usage professionnel :
84 hydrocarbures liquides aliphatiques ou cycliques saturés ou insaturés et leurs mélanges; hydrocarbures halogénés liquides; dérivés nitrés des hydrocarbures aliphatiques; alcools, glycols, éthers de glycol; cétones; aldéhydes; éthers aliphatiques et cycliques, dont le tétrahydrofurane; caters; diméthylformamide et diméthylacétamine; acétonitrile et proponitrile; pyridine; diméthylsulfone, diméthylsulfoxide.
- **Salariés relevant d’une surveillance médicale renforcée selon le Code du Travail français** :
  Surveillance médicale renforcée pour les salariés affectés à certains travaux définis par l’article L 4111-6 et les décrets spéciaux pris en application.
- **Système normalisé américain d’identification des dangers présentés par le produit en vue des interventions d’urgence (NFPA 704)** :
  NFPA 704 Label : Santé=2 Inflammabilité=1 Instabilité/Reactivité=1 Risque spécifique=none

15.2. Évaluation de la sécurité chimique
Aucune donnée n’est disponible.

**SECTION 16 : AUTRES INFORMATIONS**
Les conditions de travail de l’utilisateur ne nous étant pas connues, les informations données dans la présente fiche de sécurité sont basées sur l’état de nos connaissances et sur les réglementations tant nationales que communautaires.
Le mélange ne doit pas être utilisé à d’autres usages que ceux spécifiés en section 1 sans avoir obtenu au préalable des instructions de manipulation éerties.
Il est toujours de la responsabilité de l’utilisateur de prendre toutes les mesures nécessaires pour répondre aux exigences des lois et réglementations locales.
Les informations données dans la présente fiche de données de sécurité doivent être considérées comme une description des exigences de sécurité relatives à ce mélange et non pas comme une garantie des propriétés de celui-ci.

**Libellé des phrases H, EUH et des phrases R mentionnées à la section 3** :

**R 13**
Facilement inflammable.

**R 23/24/25**
Toxicité par inhalation, par contact avec la peau et par ingestion.

**R 34**
Provoque des brûlures.

**R 36**
Irritant pour les yeux.

**R 39/23/24/25**
Toxicité: danger d’effets irréversibles très graves par inhalation, par contact avec la peau et par ingestion.

**R 43**
Peut entraîner une sensibilisation par contact avec la peau.

**R 50/53**
Très toxique pour les organismes aquatiques, peut entraîner des effets néfastes à long terme pour l’environnement aquatique.

**Abréviations** :
ADK : Accord européen relatif au transport international de marchandises Dangereuses par la Route.
IMDG : International Maritime Dangerous Goods.
IATA : International Air Transport Association.
OACI : Organisation de l’Aviation Civile Internationale.
RID : Regulations concerning the International carriage of Dangerous goods by rail.
GHS07 : Point d’exclamation.
SAFETY DATA SHEET
(REACH regulation (EC) n° 1907/2006 - n° 453/2010)

SECTION 1 : IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1. Product identifier

   Product name : TINFIX DESIGN INDIGO
   Product code : N143006.101.

1.2. Relevant identified uses of the substance or mixture and uses advised against

1.3. Details of the supplier of the safety data sheet

   Registered company name : Max Sauer SAS.
   Address : 2 rue Lamarck.22000.Saint Brieuc.France.
   Telephone : 0033(0)296682000.     Fax : 0033(0)296770065.
   mail@raphael.fr

1.4. Emergency telephone number : +33 (0)1 45 42 59 59.


SECTION 2 : HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

   In compliance with EC regulation No. 1272/2008 and its amendments.

   Skin sensitisation, Category 1 (Skin Sens. 1, H317).
   This mixture does not present a physical hazard. Refer to the recommendations regarding the other products present on the site.
   This mixture does not present an environmental hazard. No known or foreseeable environmental damage under standard conditions of use.


   Skin sensitisation (Xi, R 43).
   This mixture does not present a physical hazard. Refer to the recommendations regarding the other products present on the site.
   This mixture does not present an environmental hazard. No known or foreseeable environmental damage under standard conditions of use.

2.2. Label elements

   In compliance with EC regulation No. 1272/2008 and its amendments.

   Hazard pictograms :
   GHS07
   Signal Word : WARNING
   Additional labeling : For professional use only.
   Hazard statements :
   H317 May cause an allergic skin reaction.
   Precautionary statements - General :
   P101 If medical advice is needed, have product container or label at hand.
P102 Keep out of reach of children.
P103 Read label before use.

Precautionary statements - Prevention:
P261 Avoid breathing dust/fume/gas/mist/vapours/spray.
P272 Contaminated work clothing should not be allowed out of the workplace.
P280 Wear protective gloves/protective clothing/eye protection/face protection.

Precautionary statements - Response:
P302 + P352 If ON SKIN: Wash with plenty of soap and water.
P321 Specific treatment (see ... on this label).
P333 + P313 If skin irritation or rash occurs: Get medical advice/attention.
P363 Wash contaminated clothing before reuse.

Precautionary statements - Disposal:
P501 Dispose of contents/container to ...


Hazard symbols:

Contains:

Risk phrase:
R 43 May cause sensitisation by skin contact.

Safety phrase:
S 2 Keep out of the reach of children.
S 24 Avoid contact with skin.
S 37 Wear suitable gloves.
S 46 If swallowed, seek medical advice immediately and show this container or label.
S 13 Keep away from food, drink and animal feedingstuffs.


2.3. Other hazards
No data available.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1. Substances
No substances fulfil the criteria set forth in annexe II section A of the REACH regulation (EC) n° 1907/2006.

3.2. Mixtures

<table>
<thead>
<tr>
<th>Identification</th>
<th>Name</th>
<th>Classification</th>
<th>%</th>
</tr>
</thead>
<tbody>
<tr>
<td>INDEX: 603-096-00-8 CAS: 112-34-5 EC: 203-961-6</td>
<td>2-(2-BUTOXYETHOXY)ETHANOL</td>
<td>GHS07, Wng Xi: H:319 R: 36</td>
<td>2.5 &lt;= x % &lt; 10</td>
</tr>
<tr>
<td>CAS: 4474-24-2 EC: 224-748-4</td>
<td>3,3’-(9,10-DIOXOANTHRACENE-1,4-DIYLDIIMINO)BIS(2,4,6-TRIMETHYLBE NZENESULFONATE) DE SODIUM</td>
<td>H:412 R: 52/53</td>
<td>2.5 &lt;= x % &lt; 10</td>
</tr>
</tbody>
</table>
SECTION 4 : FIRST AID MEASURES

As a general rule, in case of doubt or if symptoms persist, always call a doctor.
NEVER induce swallowing by an unconscious person.

4.1. Description of first aid measures

In the event of splashes or contact with skin:
Remove contaminated clothing and wash the skin thoroughly with soap and water or a recognised cleaner.
Watch out for any remaining product between skin and clothing, watches, shoes, etc.
In the event of an allergic reaction, seek medical attention.
If the contaminated area is widespread and/or there is damage to the skin, a doctor must be consulted or the patient transferred to hospital.

In the event of swallowing:
Do not give the patient anything orally.
In the event of swallowing, if the quantity is small (no more than one mouthful), rinse the mouth with water and consult a doctor.
Seek medical attention immediately, showing the label.

4.2. Most important symptoms and effects, both acute and delayed
No data available.

4.3. Indication of any immediate medical attention and special treatment needed
No data available.

SECTION 5 : FIREFIGHTING MEASURES

Non-flammable.

5.1. Extinguishing media

5.2. Special hazards arising from the substance or mixture
A fire will often produce a thick black smoke. Exposure to decomposition products may be hazardous to health.
Do not breathe in smoke.
In the event of a fire, the following may be formed:
- carbon monoxide (CO)
- carbon dioxide (CO2)

5.3. Advice for firefighters
No data available.

SECTION 6 : ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures
Consult the safety measures listed under headings 7 and 8.

For non fire-fighters
Avoid any contact with the skin and eyes.

For fire-fighters
Fire-fighters will be equipped with suitable personal protective equipment (See section 8).
6.2. Environmental precautions
Contain and control the leaks or spills with non-combustible absorbent materials such as sand, earth, vermiculite, diatomaceous earth in drums for waste disposal.
Prevent any material from entering drains or waterways.

6.3. Methods and material for containment and cleaning up
Clean preferably with a detergent, do not use solvents.

6.4. Reference to other sections
No data available.

SECTION 7 : HANDLING AND STORAGE
Requirements relating to storage premises apply to all facilities where the mixture is handled.
Individuals with a history of skin sensitisation should not, under any circumstance, handle this mixture.

7.1. Precautions for safe handling
Always wash hands after handling.
Remove and wash contaminated clothing before re-using.

Fire prevention:
Prevent access by unauthorised personnel.

Recommended equipment and procedures:
For personal protection, see section 8.
Observe precautions stated on label and also industrial safety regulations.

Prohibited equipment and procedures:
No smoking, eating or drinking in areas where the mixture is used.

7.2. Conditions for safe storage, including any incompatibilities
No data available.

Storage
Keep out of reach of children.

Packaging
Always keep in packaging made of an identical material to the original.

7.3. Specific end use(s)
No data available.

SECTION 8 : EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters
Occupational exposure limits:
- Germany - AGW (BAuA - TRGS 900, 21/06/2010):
- France (INRS - ED984 :2008):

8.2. Exposure controls
Personal protection measures, such as personal protective equipment
Pictogram(s) indicating the obligation of wearing personal protective equipment (PPE):

Use personal protective equipment that is clean and has been properly maintained.
Store personal protective equipment in a clean place, away from the work area.
Never eat, drink or smoke during use. Remove and wash contaminated clothing before re-using. Ensure that there is adequate ventilation, especially in confined areas.

- **Eye / face protection**
  Avoid contact with eyes.
  Use eye protectors designed to protect against liquid splashes
  Before handling, wear safety goggles in accordance with standard EN166.

- **Hand protection**
  Wear suitable protective gloves in the event of prolonged or repeated skin contact.
  Use suitable protective gloves that are resistant to chemical agents in accordance with standard EN374.
  Gloves must be selected according to the application and duration of use at the workstation.
  Protective gloves need to be selected according to their suitability for the workstation in question: other chemical products that may be handled, necessary physical protections (cutting, pricking, heat protection), level of dexterity required.
  Type of gloves recommended:
  - Natural latex
  - Impervious gloves in accordance with standard EN374

- **Body protection**
  Avoid skin contact.
  Wear suitable protective clothing.
  Suitable type of protective clothing:
  In the event of substantial spatter, wear liquid-tight protective clothing against chemical risks (type 3) in accordance with EN14605 to prevent skin contact.
  In the event of a risk of splashing, wear protective clothing against chemical risks (type 6) in accordance with EN13034 to prevent skin contact.
  Work clothing worn by personnel shall be laundered regularly.
  After contact with the product, all parts of the body that have been soiled must be washed.

### SECTION 9 : PHYSICAL AND CHEMICAL PROPERTIES

#### 9.1. Information on basic physical and chemical properties

**General information:**
- **Physical state:** viscous liquid.

**Important health, safety and environmental information**
- **pH:** Not stated.
- **Boiling point/boiling range:** not specified.
- **Flash point interval:** not relevant.
- **Vapour pressure:** not relevant.
- **Density:** > 1
- **Water solubility:** Dilutable.
- **Melting point/melting range:** not specified.
- **Self-ignition temperature:** not specified.
- **Decomposition point/decomposition range:** not specified.
9.2. Other information
No data available.

SECTION 10 : STABILITY AND REACTIVITY

10.1. Reactivity
No data available.

10.2. Chemical stability
This mixture is stable under the recommended handling and storage conditions in section 7.

10.3. Possibility of hazardous reactions
No data available.

10.4. Conditions to avoid

10.5. Incompatible materials

10.6. Hazardous decomposition products
The thermal decomposition may release/form:
- carbon monoxide (CO)
- carbon dioxide (CO2)

SECTION 11 : TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects
May cause an allergic reaction by skin contact.

11.1.1. Substances
No toxicological data available for the substances.

11.1.2. Mixture
No toxicological data available for the mixture.

Monograph(s) from the IARC (International Agency for Research on Cancer):
CAS 64-17-5 : IARC Group 1: The agent is carcinogenic to humans.

SECTION 12 : ECOLOGICAL INFORMATION

12.1. Toxicity

12.1.1. Substances
No aquatic toxicity data available for the substances.

12.1.2. Mixtures
No aquatic toxicity data available for the mixture.

12.2. Persistence and degradability
No data available.

12.3. Bioaccumulative potential
No data available.

12.4. Mobility in soil
No data available.

12.5. Results of PBT and vPvB assessment
No data available.

12.6. Other adverse effects
No data available.
SECTION 13 : DISPOSAL CONSIDERATIONS
Proper waste management of the mixture and/or its container must be determined in accordance with Directive 2008/98/EC.

13.1. Waste treatment methods
Do not pour into drains or waterways.

Waste:
Waste management is carried out without endangering human health, without harming the environment and, in particular without risk to water, air, soil, plants or animals.
Recycle or dispose of waste in compliance with current legislation, preferably via a certified collector or company.
Do not contaminate the ground or water with waste, do not dispose of waste into the environment.

Soiled packaging:
Empty container completely. Keep label(s) on container.
Give to a certified disposal contractor.

SECTION 14 : TRANSPORT INFORMATION
Exempt from transport classification and labelling.

SECTION 15 : REGULATORY INFORMATION
15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture
Banned from sale to the general public (EC Regulation No. 1907/2006) - For professional users only.
For professional users only.

- Particular provisions:
No data available.

- Standardised American system for the identification of hazards presented by the product in view of emergency procedures (NFPA 704):
NFPA 704, Labelling: Health=2 Inflammability=1 Instability/Reactivity=1 Specific Risk=none

15.2. Chemical safety assessment
No data available.

SECTION 16 : OTHER INFORMATION
Since the user's working conditions are not known by us, the information supplied on this safety data sheet is based on our current level of knowledge and on national and community regulations.
The mixture must not be used for other uses than those specified in section 1 without having first obtained written handling instructions.
It is at all times the responsibility of the user to take all necessary measures to comply with legal requirements and local regulations.
The information in this safety data sheet must be regarded as a description of the safety requirements relating to the mixture and not as a guarantee of the properties thereof.

Title for H, EUH and R indications mentioned in section 3:
H301 Toxic if swallowed.
H311 Toxic in contact with skin.
H314 Causes severe skin burns and eye damage.
H317 May cause an allergic skin reaction.
H319 Causes serious eye irritation.
H331 Toxic if inhaled.
H410 Very toxic to aquatic life with long lasting effects.
H411 Toxic to aquatic life with long lasting effects.
H412 Harmful to aquatic life with long lasting effects.
R 23/24/25 Toxic by inhalation, in contact with skin and if swallowed.
R 34 Causes burns.
R 36 Irritating to eyes.
R 43 May cause sensitisation by skin contact.
R 50/53 Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R 51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R 52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Abbreviations:
ADR : European agreement concerning the international carriage of dangerous goods by Road.
IMDG : International Maritime Dangerous Goods.
IATA : International Air Transport Association.
ICAO : International Civil Aviation Organisation
RID : Regulations concerning the International carriage of Dangerous goods by rail.
GHS07 : Exclamation mark
SAFETY DATA SHEET
(REACH regulation (EC) no 1907/2006 - no 453/2010)

SECTION 1 : IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1. Product identifier
   Product name: TINFIX DESIGN ANTHRACITE
   Product code: N143006.103.

1.2. Relevant identified uses of the substance or mixture and uses advised against

1.3. Details of the supplier of the safety data sheet
   Registered company name: Max Sauer SAS.
   Address: 2 rue Lamarck. 22000. Saint Brieuc. France.
   Telephone: 0033(0)296682000. Fax: 0033(0)296770065.
   mail@raphael.fr

1.4. Emergency telephone number: +33 (0)1 45 42 59 59.

SECTION 2 : HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture
   In compliance with EC regulation No. 1272/2008 and its amendments.
   Skin sensitisation, Category 1 (Skin Sens. 1, H317).
   This mixture does not present a physical hazard. Refer to the recommendations regarding the other products present on the site.
   This mixture does not present an environmental hazard. No known or foreseeable environmental damage under standard conditions of use.

   Skin sensitisation (Xi, R 43).
   This mixture does not present a physical hazard. Refer to the recommendations regarding the other products present on the site.
   This mixture does not present an environmental hazard. No known or foreseeable environmental damage under standard conditions of use.

2.2. Label elements
   In compliance with EC regulation No. 1272/2008 and its amendments.
   Hazard pictograms:

   GHS07
   Signal Word: WARNING
   Product identifiers:
   EC 2602-906-9 ACID BLACK 194
   Hazard statements:
   H317 May cause an allergic skin reaction.
   Precautionary statements - General:
   P101 If medical advice is needed, have product container or label at hand.
   P102 Keep out of reach of children.
   P103 Read label before use.
Precautionary statements - Prevention:
P261 Avoid breathing dust/fume/gas/mist/vapours/spray.
P272 Contaminated work clothing should not be allowed out of the workplace.
P280 Wear protective gloves/protective clothing/eye protection/face protection.

Precautionary statements - Response:
P302 + P352 IF ON SKIN: Wash with plenty of soap and water.
P321 Specific treatment (see ... on this label).
P333 + P313 If skin irritation or rash occurs: Get medical advice/attention.
P363 Wash contaminated clothing before reuse.

Precautionary statements - Disposal:
P501 Dispose of contents/container to ...


Hazard symbols:

Contains:
EC 2602-906-9  ACID BLACK 194

Risk phrase:
R 43 May cause sensitisation by skin contact.

Safety phrase:
S 2 Keep out of the reach of children.
S 24 Avoid contact with skin.
S 37 Wear suitable gloves.
S 46 If swallowed, seek medical advice immediately and show this container or label.
S 13 Keep away from food, drink and animal feedingstuffs.

2.3. Other hazards
No data available.

SECTION 3 : COMPOSITION/INFORMATION ON INGREDIENTS

3.1. Substances
No substances fulfil the criteria set forth in annexe II section A of the REACH regulation (EC) n° 1907/2006.

3.2. Mixtures
Composition:

<table>
<thead>
<tr>
<th>Identification</th>
<th>Name</th>
<th>Classification</th>
<th>%</th>
</tr>
</thead>
<tbody>
<tr>
<td>CAS: 413-53-7</td>
<td>ACID BLACK 194</td>
<td>GHS09, GHS07, Wng</td>
<td>1 &lt;= x % &lt; 2.5</td>
</tr>
<tr>
<td>EC: 1125-96-0</td>
<td></td>
<td>Xi,N</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>H:317-411</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>R: 43-51/53</td>
<td></td>
</tr>
</tbody>
</table>

INDEX: 603-001-00-X
CAS: 67-56-1
EC: 200-659-6

METHANOL
0 <= x % < 1

SECTION 4 : FIRST AID MEASURES
As a general rule, in case of doubt or if symptoms persist, always call a doctor.
NEVER induce swallowing by an unconscious person.

4.1. Description of first aid measures
In the event of splashes or contact with skin:
Remove contaminated clothing and wash the skin thoroughly with soap and water or a recognised cleaner. Watch out for any remaining product between skin and clothing, watches, shoes, etc. In the event of an allergic reaction, seek medical attention. If the contaminated area is widespread and/or there is damage to the skin, a doctor must be consulted or the patient transferred to hospital.

In the event of swallowing:
Do not give the patient anything orally. In the event of swallowing, if the quantity is small (no more than one mouthful), rinse the mouth with water and consult a doctor. Seek medical attention immediately, showing the label.

4.2. Most important symptoms and effects, both acute and delayed
No data available.

4.3. Indication of any immediate medical attention and special treatment needed
No data available.

SECTION 5 : FIREFIGHTING MEASURES
Non-flammable.

5.1. Extinguishing media

5.2. Special hazards arising from the substance or mixture
A fire will often produce a thick black smoke. Exposure to decomposition products may be hazardous to health. Do not breathe in smoke. In the event of a fire, the following may be formed:
- carbon monoxide (CO)
- carbon dioxide (CO2)

5.3. Advice for firefighters
No data available.

SECTION 6 : ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures
Consult the safety measures listed under headings 7 and 8.

For non fire-fighters
Avoid any contact with the skin and eyes.

For fire-fighters
Fire-fighters will be equipped with suitable personal protective equipment (See section 8).

6.2. Environmental precautions
Contain and control the leaks or spills with non-combustible absorbent materials such as sand, earth, vermiculite, diatomaceous earth in drums for waste disposal. Prevent any material from entering drains or waterways.

6.3. Methods and material for containment and cleaning up
Clean preferably with a detergent, do not use solvents.

6.4. Reference to other sections
No data available.

SECTION 7 : HANDLING AND STORAGE
Requirements relating to storage premises apply to all facilities where the mixture is handled. Individuals with a history of skin sensitisation should not, under any circumstance, handle this mixture.

7.1. Precautions for safe handling
Always wash hands after handling. Remove and wash contaminated clothing before re-using.
Fire prevention:
Prevent access by unauthorised personnel.

Recommended equipment and procedures:
For personal protection, see section 8.
Observe precautions stated on label and also industrial safety regulations.

Prohibited equipment and procedures:
No smoking, eating or drinking in areas where the mixture is used.

7.2. Conditions for safe storage, including any incompatibilities
No data available.

Storage
Keep out of reach of children.

Packaging
Always keep in packaging made of an identical material to the original.

7.3. Specific end use(s)
No data available.

SECTION 8 : EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

Occupational exposure limits:
  CAS   VME-mg/m³ : VME-ppm : VLE-mg/m³ : VLE-ppm : Notes :
  67-56-1 260 200 - - Peau
- ACGIH TLV (American Conference of Governmental Industrial Hygienists, Threshold Limit Values, 2010):
  CAS   TWA : STEL : Ceiling : Definition : Criteria :
  67-56-1 200 ppm 250 ppm - - -
- Germany - AGW (BAuA - TRGS 900, 21/06/2010):
  CAS   VME : VME : Excess Notes
  67-56-1 200 ml/m³ 270 mg/m³ 4(II) DFG, EU, H, Y
- France (INRS - ED984 :2008):
  CAS   VME-ppm : VME-mg/m³ : VLE-ppm : VLE-mg/m³ : Notes : TMP No :
  67-56-1 200 260 1000 1300 (12) 84
  CAS   TWA : STEL : Ceiling : Definition : Criteria :
  67-56-1 200 ppm 250 ppm - - -

8.2. Exposure controls

Personal protection measures, such as personal protective equipment

Pictogram(s) indicating the obligation of wearing personal protective equipment (PPE):

Use personal protective equipment that is clean and has been properly maintained.
Store personal protective equipment in a clean place, away from the work area.
Never eat, drink or smoke during use. Remove and wash contaminated clothing before re-using. Ensure that there is adequate ventilation, especially in confined areas.

- Eye / face protection
  Avoid contact with eyes.
  Use eye protectors designed to protect against liquid splashes
  Before handling, wear safety goggles in accordance with standard EN166.
- **Hand protection**
  Wear suitable protective gloves in the event of prolonged or repeated skin contact.
  Use suitable protective gloves that are resistant to chemical agents in accordance with standard EN374.
  Gloves must be selected according to the application and duration of use at the workstation.
  Protective gloves need to be selected according to their suitability for the workstation in question: other chemical products that may be handled, necessary physical protections (cutting, pricking, heat protection), level of dexterity required.
  Type of gloves recommended:
  - Natural latex
  Recommended properties:
  - Impervious gloves in accordance with standard EN374

- **Body protection**
  Avoid skin contact.
  Wear suitable protective clothing.
  Suitable type of protective clothing:
  In the event of substantial spatter, wear liquid-tight protective clothing against chemical risks (type 3) in accordance with EN14605 to prevent skin contact.
  In the event of a risk of splashing, wear protective clothing against chemical risks (type 6) in accordance with EN13034 to prevent skin contact.
  Work clothing worn by personnel shall be laundered regularly.
  After contact with the product, all parts of the body that have been soiled must be washed.

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**SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**

9.1. Information on basic physical and chemical properties

- **General information**:
  - Physical state: viscous liquid.

- **Important health, safety and environmental information**
  - **pH**: Not stated.
    - Slightly basic.
  - Boiling point/boiling range: not specified.
  - Flash point interval: not relevant.
  - Vapour pressure: not relevant.
  - Density: > 1
  - Water solubility: Dilutable.
  - Melting point/melting range: not specified.
  - Self-ignition temperature: not specified.
  - Decomposition point/decomposition range: not specified.

9.2. Other information

No data available.

---

**SECTION 10: STABILITY AND REACTIVITY**

10.1. Reactivity

No data available.

10.2. Chemical stability

This mixture is stable under the recommended handling and storage conditions in section 7.

10.3. Possibility of hazardous reactions

No data available.

10.4. Conditions to avoid

10.5. Incompatible materials
10.6. Hazardous decomposition products
The thermal decomposition may release/form:
- carbon monoxide (CO)
- carbon dioxide (CO2)

SECTION 11 : TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects
May cause an allergic reaction by skin contact.

11.1.1. Substances
No toxicological data available for the substances.

11.1.2. Mixture
No toxicological data available for the mixture.

Monograph(s) from the IARC (International Agency for Research on Cancer):
CAS 64-17-5 : IARC Group 1 : The agent is carcinogenic to humans.

SECTION 12 : ECOLOGICAL INFORMATION

12.1. Toxicity

12.1.1. Substances
No aquatic toxicity data available for the substances.

12.1.2. Mixtures
No aquatic toxicity data available for the mixture.

12.2. Persistence and degradability
No data available.

12.3. Bioaccumulative potential
No data available.

12.4. Mobility in soil
No data available.

12.5. Results of PBT and vPvB assessment
No data available.

12.6. Other adverse effects
No data available.

SECTION 13 : DISPOSAL CONSIDERATIONS
Proper waste management of the mixture and/or its container must be determined in accordance with Directive 2008/98/EC.

13.1. Waste treatment methods
Do not pour into drains or waterways.

Waste:
Waste management is carried out without endangering human health, without harming the environment and, in particular without risk to water, air, soil, plants or animals.
Recycle or dispose of waste in compliance with current legislation, preferably via a certified collector or company.
Do not contaminate the ground or water with waste, do not dispose of waste into the environment.

Soiled packaging:
Empty container completely. Keep label(s) on container.
Give to a certified disposal contractor.
SECTION 14 : TRANSPORT INFORMATION
Exempt from transport classification and labelling.

SECTION 15 : REGULATORY INFORMATION
15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture
- Particular provisions :
No data available.
- Standardised American system for the identification of hazards presented by the product in view of emergency procedures (NFPA 704) :
NFPA 704, Labelling: Health=2 Inflammability=1 Instability/Reactivity=1 Specific Risk=none

15.2. Chemical safety assessment
No data available.

SECTION 16 : OTHER INFORMATION
Since the user’s working conditions are not known by us, the information supplied on this safety data sheet is based on our current level of knowledge and on national and community regulations.
The mixture must not be used for other uses than those specified in section 1 without having first obtained written handling instructions.
It is at all times the responsibility of the user to take all necessary measures to comply with legal requirements and local regulations.
The information in this safety data sheet must be regarded as a description of the safety requirements relating to the mixture and not as a guarantee of the properties thereof.

Title for H, EUH and R indications mentioned in section 3 :
H225 Highly flammable liquid and vapour.
H301 Toxic if swallowed.
H311 Toxic in contact with skin.
H317 May cause an allergic skin reaction.
H331 Toxic if inhaled.
H370 Causes damage to organs .
H411 Toxic to aquatic life with long lasting effects.
R 11 Highly flammable.
R 23/24/25 Toxic by inhalation, in contact with skin and if swallowed.
R 39/23/24/25 Toxic: danger of very serious irreversible effects through inhalation, in contact with skin and if swallowed.
R 43 May cause sensitisation by skin contact.
R 51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Abbreviations :
ADR : European agreement concerning the international carriage of dangerous goods by Road.
IMDG : International Maritime Dangerous Goods.
IATA : International Air Transport Association.
ICAO : International Civil Aviation Organisation
RID : Regulations concerning the International carriage of Dangerous goods by rail.
GHS07 : Exclamation mark
SAFETY DATA SHEET
(REACH regulation (EC) n° 1907/2006 - n° 453/2010)

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1. Product identifier
Product name: TINFIX DESIGN NOIR ÉBÈNE
Product code: N143006.104.

1.2. Relevant identified uses of the substance or mixture and uses advised against

1.3. Details of the supplier of the safety data sheet
Registered company name: Max Sauer SAS.
Address: 2 rue Lamarck, 22000 Saint Brieuc, France.
Telephone: 0033(0)296682000. Fax: 0033(0)296770065.
mail@raphael.fr

1.4. Emergency telephone number: +33 (0)1 45 42 59 59.

SECTION 2: HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture
In compliance with EC regulation No. 1272/2008 and its amendments.
Skin sensitisation, Category 1 (Skin Sens. 1, H317).
This mixture does not present a physical hazard. Refer to the recommendations regarding the other products present on the site.
This mixture does not present an environmental hazard. No known or foreseeable environmental damage under standard conditions of use.

Skin sensitisation (Xi, R 43).
This mixture does not present a physical hazard. Refer to the recommendations regarding the other products present on the site.
This mixture does not present an environmental hazard. No known or foreseeable environmental damage under standard conditions of use.

2.2. Label elements
In compliance with EC regulation No. 1272/2008 and its amendments.
Hazard pictograms:

GHS07
Signal Word: WARNING

Product identifiers:
EC 2602-906-9 ACID BLACK 194

Additional labeling: For professional use only.
H317 May cause an allergic skin reaction.
Precautionary statements - General:
P101 If medical advice is needed, have product container or label at hand.
P102 Keep out of reach of children.
P103 Read label before use.

Precautionary statements - Prevention:
P261 Avoid breathing dust/fume/gas/mist/vapours/spray.
P272 Contaminated work clothing should not be allowed out of the workplace.
P280 Wear protective gloves/protective clothing/eye protection/face protection.

Precautionary statements - Response:
P302 + P352 IF ON SKIN: Wash with plenty of soap and water.
P321 Specific treatment (see ... on this label).
P333 + P313 If skin irritation or rash occurs: Get medical advice/attention.
P363 Wash contaminated clothing before reuse.

Precautionary statements - Disposal:
P501 Dispose of contents/container to ...


Hazard symbols:

Contains:
EC 2602-906-9 ACID BLACK 194

Risk phrase:
R 43 May cause sensitisation by skin contact.

Safety phrase:
S 2 Keep out of the reach of children.
S 24 Avoid contact with skin.
S 37 Wear suitable gloves.
S 46 If swallowed, seek medical advice immediately and show this container or label.
S 13 Keep away from food, drink and animal feedingstuffs.


2.3. Other hazards
No data available.

SECTION 3 : COMPOSITION/INFORMATION ON INGREDIENTS

3.1. Substances
No substances fulfil the criteria set forth in annex II section A of the REACH regulation (EC) n° 1907/2006.

3.2. Mixtures
Composition:

<table>
<thead>
<tr>
<th>Identification</th>
<th>Name</th>
<th>Classification</th>
<th>%</th>
</tr>
</thead>
<tbody>
<tr>
<td>INDEX: 603-096-00-8 CAS: 112-34-5 EC: 203-961-6</td>
<td>2-(2-BUTOXYETHOXY)ETHANOL</td>
<td>GHS07, Wng Xi H:319 R: 36</td>
<td>2.5 &lt;= x % &lt; 10</td>
</tr>
</tbody>
</table>
SECTION 4 : FIRST AID MEASURES

As a general rule, in case of doubt or if symptoms persist, always call a doctor.
NEVER induce swallowing by an unconscious person.

4.1. Description of first aid measures

In the event of splashes or contact with skin :
Remove contaminated clothing and wash the skin thoroughly with soap and water or a recognised cleaner.
Watch out for any remaining product between skin and clothing, watches, shoes, etc.
In the event of an allergic reaction, seek medical attention.
If the contaminated area is widespread and/or there is damage to the skin, a doctor must be consulted or the patient transferred to hospital.

In the event of swallowing :
Do not give the patient anything orally.
In the event of swallowing, if the quantity is small (no more than one mouthful), rinse the mouth with water and consult a doctor.
Seek medical attention immediately, showing the label.

4.2. Most important symptoms and effects, both acute and delayed

No data available.

4.3. Indication of any immediate medical attention and special treatment needed

No data available.

SECTION 5 : FIREFIGHTING MEASURES

Non-flammable.

5.1. Extinguishing media

5.2. Special hazards arising from the substance or mixture

A fire will often produce a thick black smoke. Exposure to decomposition products may be hazardous to health.

Do not breathe in smoke.
In the event of a fire, the following may be formed :
- carbon monoxide (CO)
- carbon dioxide (CO2)

5.3. Advice for firefighters

No data available.

SECTION 6 : ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

Consult the safety measures listed under headings 7 and 8.

For non fire-fighters

Avoid any contact with the skin and eyes.
For fire-fighters
Fire-fighters will be equipped with suitable personal protective equipment (See section 8).

6.2. Environmental precautions
Contain and control the leaks or spills with non-combustible absorbent materials such as sand, earth, vermiculite, diatomaceous earth in drums for waste disposal.
Prevent any material from entering drains or waterways.

6.3. Methods and material for containment and cleaning up
Clean preferably with a detergent, do not use solvents.

6.4. Reference to other sections
No data available.

SECTION 7 : HANDLING AND STORAGE
Requirements relating to storage premises apply to all facilities where the mixture is handled.
Individuals with a history of skin sensitisation should not, under any circumstance, handle this mixture.

7.1. Precautions for safe handling
Always wash hands after handling.
Remove and wash contaminated clothing before re-using.

Fire prevention :
Prevent access by unauthorised personnel.

Recommended equipment and procedures :
For personal protection, see section 8.
Observe precautions stated on label and also industrial safety regulations.

Prohibited equipment and procedures :
No smoking, eating or drinking in areas where the mixture is used.

7.2. Conditions for safe storage, including any incompatibilities
No data available.

Storage
Keep out of reach of children.

Packaging
Always keep in packaging made of an identical material to the original.

7.3. Specific end use(s)
No data available.

SECTION 8 : EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

Occupational exposure limits :
<table>
<thead>
<tr>
<th>CAS</th>
<th>VME-mg/m3</th>
<th>VME-ppm</th>
<th>VLE-mg/m3</th>
<th>VLE-ppm</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>112-34-5</td>
<td>67.5</td>
<td>10</td>
<td>101.2</td>
<td>15</td>
<td></td>
</tr>
<tr>
<td>67-56-1</td>
<td>260</td>
<td>200</td>
<td>-</td>
<td>-</td>
<td>Peau</td>
</tr>
</tbody>
</table>

- ACGIH TLV (American Conference of Governmental Industrial Hygienists, Threshold Limit Values, 2010) :
<table>
<thead>
<tr>
<th>CAS</th>
<th>TWA :</th>
<th>STEL :</th>
<th>Ceiling :</th>
<th>Definition :</th>
<th>Criteria :</th>
</tr>
</thead>
<tbody>
<tr>
<td>67-56-1</td>
<td>200 ppm</td>
<td>250 ppm</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
</tbody>
</table>

- Germany - AGW (BAuA - TRGS 900, 21/06/2010) :
<table>
<thead>
<tr>
<th>CAS</th>
<th>VME :</th>
<th>Excess</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>112-34-5</td>
<td>100 mg/m3</td>
<td>(I)</td>
<td>DFG, Y</td>
</tr>
<tr>
<td>67-56-1</td>
<td>270 mg/m3</td>
<td>(II)</td>
<td>DFG, EU, H, Y</td>
</tr>
</tbody>
</table>
8.2. Exposure controls

**Personal protection measures, such as personal protective equipment**

Pictogram(s) indicating the obligation of wearing personal protective equipment (PPE):

- Use personal protective equipment that is clean and has been properly maintained.
- Store personal protective equipment in a clean place, away from the work area.
- Never eat, drink or smoke during use. Remove and wash contaminated clothing before re-using. Ensure that there is adequate ventilation, especially in confined areas.

**- Eye / face protection**

Avoid contact with eyes.

Use eye protectors designed to protect against liquid splashes.

Before handling, wear safety goggles in accordance with standard EN166.

**- Hand protection**

Wear suitable protective gloves in the event of prolonged or repeated skin contact.

Use suitable protective gloves that are resistant to chemical agents in accordance with standard EN374.

Gloves must be selected according to the application and duration of use at the workstation.

Protective gloves need to be selected according to their suitability for the workstation in question: other chemical products that may be handled, necessary physical protections (cutting, pricking, heat protection), level of dexterity required.

Type of gloves recommended:

- Natural latex

Recommended properties:

- Impervious gloves in accordance with standard EN374

**- Body protection**

Avoid skin contact.

Wear suitable protective clothing.

Suitable type of protective clothing:

- In the event of substantial spatter, wear liquid-tight protective clothing against chemical risks (type 3) in accordance with EN14605 to prevent skin contact.
- In the event of a risk of splashing, wear protective clothing against chemical risks (type 6) in accordance with EN13034 to prevent skin contact.
- Work clothing worn by personnel shall be laundered regularly.
- After contact with the product, all parts of the body that have been soiled must be washed.

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**SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**

**9.1. Information on basic physical and chemical properties**

**General information:**

- Physical state: viscous liquid.

**Important health, safety and environmental information**

- pH: Not stated.
- Slightly basic.

**Boiling point/boiling range:**

- Not specified.
Flash point interval: not relevant.
Vapour pressure: not relevant.
Density: >1
Water solubility: Dilutable.
Melting point/melting range: not specified.
Self-ignition temperature: not specified.
Decomposition point/decomposition range: not specified.

9.2. Other information
No data available.

SECTION 10: STABILITY AND REACTIVITY

10.1. Reactivity
No data available.

10.2. Chemical stability
This mixture is stable under the recommended handling and storage conditions in section 7.

10.3. Possibility of hazardous reactions
No data available.

10.4. Conditions to avoid

10.5. Incompatible materials

10.6. Hazardous decomposition products
The thermal decomposition may release/form:
- carbon monoxide (CO)
- carbon dioxide (CO2)

SECTION 11: TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects
May cause an allergic reaction by skin contact.

11.1.1. Substances
No toxicological data available for the substances.

11.1.2. Mixture
No toxicological data available for the mixture.

Monograph(s) from the IARC (International Agency for Research on Cancer):
CAS 64-17-5: IARC Group 1: The agent is carcinogenic to humans.

SECTION 12: ECOLOGICAL INFORMATION

12.1. Toxicity

12.1.1. Substances
No aquatic toxicity data available for the substances.

12.1.2. Mixtures
No aquatic toxicity data available for the mixture.

12.2. Persistence and degradability
No data available.

12.3. Bioaccumulative potential
No data available.

12.4. Mobility in soil
No data available.
12.5. Results of PBT and vPvB assessment
No data available.

12.6. Other adverse effects
No data available.

SECTION 13 : DISPOSAL CONSIDERATIONS
Proper waste management of the mixture and/or its container must be determined in accordance with Directive 2008/98/EC.

13.1. Waste treatment methods
Do not pour into drains or waterways.

Waste:
Waste management is carried out without endangering human health, without harming the environment and, in particular without risk to water, air, soil, plants or animals.
Recycle or dispose of waste in compliance with current legislation, preferably via a certified collector or company.
Do not contaminate the ground or water with waste, do not dispose of waste into the environment.

Soiled packaging:
Empty container completely. Keep label(s) on container.
Give to a certified disposal contractor.

SECTION 14 : TRANSPORT INFORMATION
Exempt from transport classification and labelling.

SECTION 15 : REGULATORY INFORMATION
15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture
Banned from sale to the general public (EC Regulation No. 1907/2006) - For professional users only.
For professional users only.

- Particular provisions:
No data available.

- Standardised American system for the identification of hazards presented by the product in view of emergency procedures (NFPA 704):
NFPA 704, Labelling: Health=2 Inflammability=1 Instability/Reactivity=1 Specific Risk=none

15.2. Chemical safety assessment
No data available.
SECTION 16 : OTHER INFORMATION

Since the user's working conditions are not known by us, the information supplied on this safety data sheet is based on our current level of knowledge and on national and community regulations.

The mixture must not be used for other uses than those specified in section 1 without having first obtained written handling instructions.

It is at all times the responsibility of the user to take all necessary measures to comply with legal requirements and local regulations. The information in this safety data sheet must be regarded as a description of the safety requirements relating to the mixture and not as a guarantee of the properties thereof.

Title for H, EUH and R indications mentioned in section 3 :

H225 Highly flammable liquid and vapour.
H301 Toxic if swallowed.
H311 Toxic in contact with skin.
H314 Causes severe skin burns and eye damage.
H317 May cause an allergic skin reaction.
H319 Causes serious eye irritation.
H331 Toxic if inhaled.
H370 Causes damage to organs.
H410 Very toxic to aquatic life with long lasting effects.
H411 Toxic to aquatic life with long lasting effects.
R 11 Highly flammable.
R 23/24/25 Toxic by inhalation, in contact with skin and if swallowed.
R 34 Causes burns.
R 36 Irritating to eyes.
R 39/23/24/25 Toxic: danger of very serious irreversible effects through inhalation, in contact with skin and if swallowed.
R 43 May cause sensitisation by skin contact.
R 50/53 Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R 51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Abbreviations :

ADR : European agreement concerning the international carriage of dangerous goods by Road.
IMDG : International Maritime Dangerous Goods.
IATA : International Air Transport Association.
ICAO : International Civil Aviation Organisation
RID : Regulations concerning the International carriage of Dangerous goods by rail.
GHS07 : Exclamation mark