1. Identification of the Substance/Preparation and of the Company/Undertaking

Product Identifier
Product Code DM043
Product name BLUE MIX 43

Recommended use of the chemical and restrictions on use.
Synonyms N/A

Supplier's details
Recommended use Industrial Use Only.
Uses advised against No information available

Details of the Supplier of the Safety Data Sheet
Dharma Trading Co.
1805 S. McDowell Blvd. Ext.
Petaluma, CA 94954
Telephone: (800) 542-5227

Emergency Telephone Number
USA: 1-800-255-3924
China: (400-1)-400-120-0751
Other: Collect 1-813-248-0585

2. Hazards Identification

Classification
Not a dangerous substance or mixture according to the Globally Harmonized System (GHS)

EMERGENCY OVERVIEW

signal word Not Hazardous

The product contains no substances which at their given concentration, are considered to be hazardous to health

appearance bluish-green  Physical State Powder  Odor No information available

precautionary statements
P281 - Use personal protective equipment as required
P262 - Do not get in eyes, on skin, or on clothing
P261 - Avoid breathing dust/fume/gas/mist/vapors/spray
P264 - Wash face, hands and any exposed skin thoroughly after handling
P270 - Do not eat, drink or smoke when using this product
P501 - Dispose of contents/container to an approved waste disposal plant

Hazards Not Otherwise Classified (HNOC)

OTHER INFORMATION
Unknown Acute Toxicity
100 percent of the mixture consists of ingredient(s) of unknown acute toxicity

3. Composition/information on Ingredients
4. First aid measures

First aid measures for different exposure routes

Eye Contact  Rinse thoroughly with plenty of water for at least 15 minutes, lifting lower and upper eyelids. Consult a physician.

Skin Contact  Wash skin with soap and water.

INHALATION  Move to fresh air.

INGESTION  Clean mouth with water and drink afterwards plenty of water.

Most important symptoms/effects, acute and delayed

Main Symptoms  No information available.

Indication of immediate medical attention and special treatment needed, if necessary

Notes to physician  Treat symptomatically.

5. Fire-fighting measures

Suitable extinguishing media
Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Unsuitable extinguishing media  Keep away from heat and sources of ignition.

Specific Hazards Arising from the Chemical
No information available.

Explosion Data
Sensitivity to Mechanical Impact  None.
Sensitivity to Static Discharge  Fine dust dispersed in air, in sufficient concentrations, and in the presence of an ignition source is a potential dust explosion hazard.

Protective Equipment and Precautions for Firefighters
As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures

Personal Precautions  Avoid contact with the skin and the eyes. Use personal protective equipment. For personal protection see section 8. Ensure adequate ventilation.

Environmental Precautions

Environmental Precautions  Prevent further leakage or spillage if safe to do so.

Methods and materials for containment and cleaning up

Methods for containment  Prevent further leakage or spillage if safe to do so.

Methods for Cleaning Up  Use personal protective equipment. Cover powder spill with plastic sheet or tarp to minimize spreading and keep powder dry. Take up mechanically, placing in appropriate containers for disposal. Avoid dust formation. Clean contaminated surface thoroughly.

7. Handling and Storage
Precautions for Safe Handling

Advice on safe handling
Avoid contact with skin, eyes and clothing. Do not breathe vapors/dust. In case of insufficient ventilation, wear suitable respiratory equipment. Wear personal protective equipment. Handle in accordance with good industrial hygiene and safety practice. Remove and wash contaminated clothing before re-use. Provide appropriate exhaust ventilation at places where dust is formed. Do not eat, drink or smoke when using this product. Use personal protection recommended in Section 8.

Conditions for safe storage, including any incompatibilities

Technical measures/Storage conditions
Store locked up. Keep containers tightly closed in a dry, cool and well-ventilated place. Keep in properly labeled containers. Store in accordance with the particular national regulations. Store in accordance with local regulations.

Incompatible Products
None known based on information supplied.

8. Exposure Controls/Personal Protection

Control Parameters

Exposure guidelines
This product, as supplied, does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies

Exposure Controls

Engineering Measures
Showers
Eyewash stations
Ventilation systems. Apply technical measures to comply with the occupational exposure limits. Process enclosure and/or ventilation systems.

Individual protection measures, such as personal protective equipment

Eye/Face Protection
Tightly fitting safety goggles. Avoid contact with eyes. Eyewash fountains should be provided in areas where there is any possibility that workers could be exposed to the substances; this is irrespective of the recommendation involving the wearing of eye protection.

Skin and Body Protection
Skin and Body Protection. Wear protective gloves and protective clothing. Wear impervious protective clothing, including boots, gloves, lab coat, apron or coveralls, as appropriate, to prevent skin contact.

Respiratory Protection
If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn.

Hygiene Measures
Handle in accordance with good industrial hygiene and safety practice. Do not eat, drink or smoke when using this product. Remove and wash contaminated clothing before re-use. Regular cleaning of equipment, work area and clothing is recommended. Wear suitable gloves and eye/face protection. Wash hands before breaks and immediately after handling the product. Wear personal protective equipment.

9. Physical and Chemical Properties

Physical and Chemical Properties

Physical State
appearance Powder
odor threshold bluish-green

Odor
No information available

Property VALUES
pH No information available

Remarks • Method

PAGE 3 / 7
### 10. Stability and Reactivity

**Reactivity**  
no data available

**Chemical Stability**  
Stable under recommended storage conditions.

**Hazardous Reactions**  
None under normal processing

**Conditions to avoid**  
Extremes of temperature and direct sunlight.

**incompatible materials**  
None known based on information supplied.

**Hazardous decomposition products**  
May emit toxic fumes under fire conditions.

### 11. Toxicological Information

**Information on Likely Routes of Exposure**

**Product information**  
Product does not present an acute toxicity hazard based on known or supplied information

**INHALATION**  
Avoid breathing vapors or mists.

**Eye Contact**  
Avoid contact with eyes.

**Skin Contact**  
Avoid contact with skin.

**INGESTION**  
Not an expected route of exposure. Do NOT taste or swallow.
Information on Toxicological Effects

Symptoms
No information available.

Delayed and immediate effects as well as chronic effects from short and long-term exposure

- sensitization
  No information available.
- Germ cell mutagenicity
  No information available.
- carcinogenicity
  No information available.
- Reproductive Toxicity
  No information available.
- Specific target organ systemic toxicity (single exposure)
  No information available.
- Specific target organ systemic toxicity (repeated exposure)
  No information available.
- Aspiration Hazard
  No information available.

Germ cell mutagenicity
No information available.

Carcinogenicity
No information available.

Reproductive Toxicity
No information available.

Specific target organ systemic toxicity (single exposure)
No information available.

Specific target organ systemic toxicity (repeated exposure)
No information available.

Aspiration Hazard
No information available.

Numerical Measures of Toxicity - Product information

Unknown Acute Toxicity
100 percent of the mixture consists of ingredient(s) of unknown acute toxicity

12. Ecological Information

ecotoxicity
100% of the mixture consists of components(s) of unknown hazards to the aquatic environment

Persistence and Degradability
No information available.

Bioaccumulation
No information available.

Other Adverse Effects
No information available

13. Disposal Considerations

Waste treatment

Waste Disposal Methods
Should not be released into the environment. Dispose of in accordance with local regulations. This material, as supplied, is not a hazardous waste according to state and federal regulations (40 CFR 261).

Contaminated Packaging
Do not re-use empty containers. Dispose of in accordance with local regulations.

14. TRANSPORT INFORMATION

DOT

Description
NOT REGULATED

MEX

IATA

Description
NOT REGULATED

IMDG
Description

NOT REGULATED

RID

ADN

15. Regulatory Information

International Inventories

<table>
<thead>
<tr>
<th>Inventory</th>
<th>Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>TSCA</td>
<td>Listed</td>
</tr>
<tr>
<td>EINECS/ELINCS</td>
<td>Not Determined</td>
</tr>
<tr>
<td>DSL</td>
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<td>NDSL</td>
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<td>PICCS</td>
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<tr>
<td>KECL</td>
<td>Not Determined</td>
</tr>
<tr>
<td>NZIoC</td>
<td>Not Determined</td>
</tr>
</tbody>
</table>

Legend

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory
EINECS/ELINCS - European Inventory of Existing Commercial Chemical Substances/EU List of Notified Chemical Substances
DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List
PICCS - Philippines Inventory of Chemicals and Chemical Substances
ENCS - Japan Existing and New Chemical Substances
IECSC - China Inventory of Existing Chemical Substances
AICS - Australian Inventory of Chemical Substances
KECL - Korean Existing and Evaluated Chemical Substances
NZIoC - New Zealand Inventory of Chemicals

REACH registration number

Keystone has taken all relative steps to ensure REACH-Compliance. Please contact us with any REACH-Related questions at REACH@Keystone-Europe.CO.UK

RESTRICTIONS - REACH TITLE VIII

No information available

US Federal Regulations

SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

SARA 311/312 Hazard Categories

- Acute health hazard: NO.
- Chronic health hazard: NO.
- Fire hazard: NO.
- Sudden Release of Pressure Hazard: NO.
- Reactive Hazard: NO.

Clean Water Act

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42).
CERCLA
This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material.

US State Regulations

California Proposition 65
This product does not contain any Proposition 65 chemicals

U.S. State Right-to-Know Regulations

International regulations

CANADA

WHMIS Note
This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all the information required by the CPR.

WHMIS Hazard Class
Non-controlled

HMIS	Health Hazard 1	nflammability 1	Physical hazard 0	PERSONAL PROTECTION F

16. Other Information

Revision Date 27-Apr-2015
Revision note No information available.
Restrictions on use No information available.
Contact Information Website WWW.DHARMATRADING.COM

Disclaimer
The information provided on this MSDS is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text.

End of Material Safety Data Sheet
1. Identification of the Substance/Preparation and of the Company/Undertaking

Product Identifier
Product Code DM045
Product name ORANGE MIX 45

Recommended use of the chemical and restrictions on use
Synonyms N/A

Supplier's details
Recommended use Industrial Use Only.
Uses advised against No information available

Details of the Supplier of the Safety Data Sheet
Dharma Trading Co.
1805 S. McDowell Blvd. Ext.
Petaluma, CA 94954
Telephone: (800) 542-5227

Emergency Telephone Number
USA: 1-800-255-3924
China: (400-1)-400-120-0751
Other: Collect 1-813-248-0585

2. Hazards Identification

Classification
Not a dangerous substance or mixture according to the Globally Harmonized System (GHS)

signal word
Not Hazardous

EMERGENCY OVERVIEW
The product contains no substances which at their given concentration, are considered to be hazardous to health

appearance Orange
Physical State Powder
Odor No information available

precautionary statements
P281 - Use personal protective equipment as required
P262 - Do not get in eyes, on skin, or on clothing
P261 - Avoid breathing dust/fume/gas/mist/vapors/spray
P264 - Wash face, hands and any exposed skin thoroughly after handling
P270 - Do not eat, drink or smoke when using this product
P501 - Dispose of contents/container to an approved waste disposal plant

Hazards Not Otherwise Classified (HNOC)

OTHER INFORMATION
Unknown Acute Toxicity
100 percent of the mixture consists of ingredient(s) of unknown acute toxicity

3. Composition/information on Ingredients
4. First aid measures

First aid measures for different exposure routes

Eye Contact
Rinse thoroughly with plenty of water for at least 15 minutes, lifting lower and upper eyelids. Consult a physician.

Skin Contact
Wash skin with soap and water.

INHALATION
Move to fresh air.

INGESTION
Clean mouth with water and drink afterwards plenty of water.

Most important symptoms/effects, acute and delayed

Main Symptoms
No information available.

Indication of immediate medical attention and special treatment needed, if necessary
Notes to physician
Treat symptomatically.

5. Fire-fighting measures

Suitable extinguishing media
Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Unsuitable extinguishing media
Keep away from heat and sources of ignition.

Specific Hazards Arising from the Chemical
No information available.

Explosion Data
Sensitivity to Mechanical Impact None.
Sensitivity to Static Discharge Fine dust dispersed in air, in sufficient concentrations, and in the presence of an ignition source is a potential dust explosion hazard.

Protective Equipment and Precautions for Firefighters
As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures

Personal Precautions
Avoid contact with the skin and the eyes. Use personal protective equipment. For personal protection see section 8. Ensure adequate ventilation.

Environmental Precautions
Prevent further leakage or spillage if safe to do so.

Methods and materials for containment and cleaning up

Methods for containment
Prevent further leakage or spillage if safe to do so.

Methods for Cleaning Up
Use personal protective equipment. Cover powder spill with plastic sheet or tarp to minimize spreading and keep powder dry. Take up mechanically, placing in appropriate containers for disposal. Avoid dust formation. Clean contaminated surface thoroughly.

7. Handling and Storage
Precautions for Safe Handling

Advice on safe handling
Avoid contact with skin, eyes and clothing. Do not breathe vapors/dust. In case of insufficient ventilation, wear suitable respiratory equipment. Wear personal protective equipment. Handle in accordance with good industrial hygiene and safety practice. Remove and wash contaminated clothing before re-use. Provide appropriate exhaust ventilation at places where dust is formed. Do not eat, drink or smoke when using this product. Use personal protection recommended in Section 8.

Conditions for safe storage, including any incompatibilities

Technical measures/Storage conditions
Store locked up. Keep containers tightly closed in a dry, cool and well-ventilated place. Keep in properly labeled containers. Store in accordance with the particular national regulations. Store in accordance with local regulations.

Incompatible Products
None known based on information supplied.

8. Exposure Controls/Personal Protection

Control Parameters

Exposure guidelines
This product, as supplied, does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies

Exposure Controls

Engineering Measures
Showers
Eyewash stations
Ventilation systems. Apply technical measures to comply with the occupational exposure limits. Process enclosure and/or ventilation systems.

Individual protection measures, such as personal protective equipment

Eye/Face Protection
Tightly fitting safety goggles. Avoid contact with eyes. Eyewash fountains should be provided in areas where there is any possibility that workers could be exposed to the substances; this is irrespective of the recommendation involving the wearing of eye protection.

Skin and Body Protection
Skin and Body Protection. Wear protective gloves and protective clothing. Wear impervious protective clothing, including boots, gloves, lab coat, apron or coveralls, as appropriate, to prevent skin contact.

Respiratory Protection
If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn.

Hygiene Measures
Handle in accordance with good industrial hygiene and safety practice. Do not eat, drink or smoke when using this product. Remove and wash contaminated clothing before re-use. Regular cleaning of equipment, work area and clothing is recommended. Wear suitable gloves and eye/face protection. Wash hands before breaks and immediately after handling the product. Wear personal protective equipment.

9. Physical and Chemical Properties

Physical and Chemical Properties

<table>
<thead>
<tr>
<th>Property</th>
<th>VALUES</th>
<th>Remarks • Method</th>
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</thead>
<tbody>
<tr>
<td>Physical State appearance</td>
<td>Powder</td>
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<td>odor threshold</td>
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<td></td>
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<tr>
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<td>No information available</td>
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</tbody>
</table>
### 10. Stability and Reactivity

**Reactivity**

No data available

**Chemical Stability**

Stable under recommended storage conditions.

**Hazardous Reactions**

None under normal processing

**Conditions to avoid**

Extremes of temperature and direct sunlight.

**Incompatible materials**

None known based on information supplied.

**Hazardous decomposition products**

May emit toxic fumes under fire conditions.

### 11. Toxicological Information

**Information on Likely Routes of Exposure**

**Product information**

Product does not present an acute toxicity hazard based on known or supplied information

**INHALATION**

Avoid breathing vapors or mists.

**Eye Contact**

Avoid contact with eyes.

**Skin Contact**

Avoid contact with skin.

**INGESTION**

Not an expected route of exposure. Do NOT taste or swallow.
Information on Toxicological Effects

Symptoms
No information available.

Delayed and immediate effects as well as chronic effects from short and long-term exposure

- sensitization
  No information available.
- Germ cell mutagenicity
  No information available.
- carcinogenicity
  No information available.
- Reproductive Toxicity
  No information available.
- Specific target organ systemic toxicity (single exposure)
  No information available.
- Specific target organ systemic toxicity (repeated exposure)
  No information available.
- Aspiration Hazard
  No information available.

Germ cell mutagenicity
No information available.

Carcinogenicity
No information available.

Reproductive Toxicity
No information available.

Specific target organ systemic toxicity (single exposure)
No information available.

Specific target organ systemic toxicity (repeated exposure)
No information available.

Aspiration Hazard
No information available.

Numerical Measures of Toxicity - Product information

Unknown Acute Toxicity
100 percent of the mixture consists of ingredient(s) of unknown acute toxicity

12. Ecological Information

ecotoxicity
100% of the mixture consists of components(s) of unknown hazards to the aquatic environment

Persistence and Degradability
No information available.

Bioaccumulation
No information available.

Other Adverse Effects
No information available

13. Disposal Considerations

Waste treatment

Waste Disposal Methods
Should not be released into the environment. Dispose of in accordance with local regulations. This material, as supplied, is not a hazardous waste according to state and federal regulations (40 CFR 261).

Contaminated Packaging
Do not re-use empty containers. Dispose of in accordance with local regulations.

14. TRANSPORT INFORMATION

DOT
Description
NOT REGULATED

MEX

IATA
Description
NOT REGULATED

IMDG
**Description**

NOT REGULATED

**RID**

**ADN**

---

### 15. Regulatory Information

#### International Inventories

<table>
<thead>
<tr>
<th>Inventory</th>
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<tr>
<td>TSCA</td>
<td>Listed</td>
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<tr>
<td>EINECS/ELINCS</td>
<td>Not Determined</td>
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<tr>
<td>DSL</td>
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<tr>
<td>NDSL</td>
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</tr>
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<td>PICCS</td>
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<tr>
<td>KECL</td>
<td>Not Determined</td>
</tr>
<tr>
<td>NZIoC</td>
<td>Not Determined</td>
</tr>
</tbody>
</table>

**Legend**

- **TSCA** - United States Toxic Substances Control Act Section 8(b) Inventory
- **EINECS/ELINCS** - European Inventory of Existing Commercial Chemical Substances/EU List of Notified Chemical Substances
- **DSL/NDSL** - Canadian Domestic Substances List/Non-Domestic Substances List
- **PICCS** - Philippines Inventory of Chemicals and Chemical Substances
- **ENCS** - Japan Existing and New Chemical Substances
- **IECSC** - China Inventory of Existing Chemical Substances
- **AICS** - Australian Inventory of Chemical Substances
- **KECL** - Korean Existing and Evaluated Chemical Substances
- **NZIoC** - New Zealand Inventory of Chemicals

**REACH registration number**

Keystone has taken all relative steps to ensure REACH-Compliance. Please contact us with any REACH-Related questions at REACH@Keystone-Europe.CO.UK

**RESTRICTIONS - REACH TITLE VIII**

No information available

**US Federal Regulations**

**SARA 313**

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

**SARA 311/312 Hazard Categories**

<table>
<thead>
<tr>
<th>Hazard Type</th>
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<tbody>
<tr>
<td>Acute health hazard</td>
<td>NO.</td>
</tr>
<tr>
<td>Chronic health hazard</td>
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</tr>
<tr>
<td>Fire hazard</td>
<td>NO.</td>
</tr>
<tr>
<td>Sudden Release of Pressure Hazard</td>
<td>NO.</td>
</tr>
<tr>
<td>Reactive Hazard</td>
<td>NO.</td>
</tr>
</tbody>
</table>

**Clean Water Act**

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42).
CERCLA
This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material.

US State Regulations

California Proposition 65
This product does not contain any Proposition 65 chemicals

U.S. State Right-to-Know Regulations

International regulations

CANADA

WHMIS Note
This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all the information required by the CPR.

WHMIS Hazard Class
Non-controlled

HMIS
Health Hazard 1 flammability 1 Physical hazard 0 PERSONAL PROTECTION F

16. Other Information

Revision Date 28-Apr-2015
Revision note No information available.
Restrictions on use No information available.
Contact Information Website WWW.DHARMATRADING.COM

Disclaimer
The information provided on this MSDS is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text.

End of Material Safety Data Sheet
Safety Data Sheet

1. Identification of the Substance/Preparation and of the Company/Undertaking

Product Identifier
Product Code DM046
Product name ACID TURQUOISE

Recommended use of the chemical and restrictions on use
Synonyms N/A

Supplier's details
Recommended use Industrial Use Only.
Uses advised against No information available

Details of the Supplier of the Safety Data Sheet
Dharma Trading Co.
1805 S. McDowell Blvd. Ext.
Petaluma, CA 94954
Telephone: (800) 542-5227

Emergency Telephone Number
USA: 1-800-255-3924
China: (400-1)-400-120-0751
Other: Collect 1-813-248-0585

2. Hazards Identification

Classification
Not a dangerous substance or mixture according to the Globally Harmonized System (GHS)

EMERGENCY OVERVIEW
signal word Not Hazardous
The product contains no substances which at their given concentration, are considered to be hazardous to health
appearance bluish powder
Physical State Powder
Odor No information available

precautionary statements
P281 - Use personal protective equipment as required
P262 - Do not get in eyes, on skin, or on clothing
P261 - Avoid breathing dust/fume/gas/mist/vapors/spray
P264 - Wash face, hands and any exposed skin thoroughly after handling
P270 - Do not eat, drink or smoke when using this product
P501 - Dispose of contents/container to an approved waste disposal plant

Hazards Not Otherwise Classified (HNOC)

OTHER INFORMATION
Unknown Acute Toxicity
100 percent of the mixture consists of ingredient(s) of unknown acute toxicity

3. Composition/information on Ingredients
4. First aid measures

First aid measures for different exposure routes

Eye Contact  
Rinse thoroughly with plenty of water for at least 15 minutes, lifting lower and upper eyelids. Consult a physician.

Skin Contact  
Wash skin with soap and water.

INHALATION  
Move to fresh air.

INGESTION  
Clean mouth with water and drink afterwards plenty of water.

Most important symptoms/effects, acute and delayed

Main Symptoms  
No information available.

Indication of immediate medical attention and special treatment needed, if necessary

Notes to physician  
Treat symptomatically.

5. Fire-fighting measures

Suitable extinguishing media
Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Unsuitable extinguishing media  
Keep away from heat and sources of ignition.

Specific Hazards Arising from the Chemical
No information available.

Explosion Data
- Sensitivity to Mechanical Impact  
  None.
- Sensitivity to Static Discharge  
  Fine dust dispersed in air, in sufficient concentrations, and in the presence of an ignition source is a potential dust explosion hazard.

Protective Equipment and Precautions for Firefighters
As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures

Personal Precautions  
Avoid contact with the skin and the eyes. Use personal protective equipment. For personal protection see section 8. Ensure adequate ventilation.

Environmental Precautions

Environmental Precautions  
Prevent further leakage or spillage if safe to do so.

Methods and materials for containment and cleaning up

Methods for containment  
Prevent further leakage or spillage if safe to do so.

Methods for Cleaning Up  
Use personal protective equipment. Cover powder spill with plastic sheet or tarp to minimize spreading and keep powder dry. Take up mechanically, placing in appropriate containers for disposal. Avoid dust formation. Clean contaminated surface thoroughly.
7. Handling and Storage

Precautions for Safe Handling

Advice on safe handling
Avoid contact with skin, eyes and clothing. Do not breathe vapors/dust. In case of insufficient ventilation, wear suitable respiratory equipment. Wear personal protective equipment. Handle in accordance with good industrial hygiene and safety practice. Remove and wash contaminated clothing before re-use. Provide appropriate exhaust ventilation at places where dust is formed. Do not eat, drink or smoke when using this product. Use personal protection recommended in Section 8.

Conditions for safe storage, including any incompatibilities

Technical measures/Storage conditions
Store locked up. Keep containers tightly closed in a dry, cool and well-ventilated place. Keep in properly labeled containers. Store in accordance with the particular national regulations. Store in accordance with local regulations.

Incompatible Products
None known based on information supplied.

8. Exposure Controls/Personal Protection

Control Parameters

Exposure guidelines

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>ACGIH TLV</th>
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<tbody>
<tr>
<td>Direct Blue 86 1330-38-7</td>
<td>TWA: 1 mg/m³ Cu dust and mist</td>
<td></td>
<td>IDLH: 100 mg/m³ Cu dust and mist</td>
</tr>
</tbody>
</table>

NIOSH IDLH: Immediately Dangerous to Life or Health

Exposure Controls

Engineering Measures
Showers
Eyewash stations
Ventilation systems. Apply technical measures to comply with the occupational exposure limits. Process enclosure and/or ventilation systems.

Individual protection measures, such as personal protective equipment

Eye/Face Protection
Tightly fitting safety goggles. Avoid contact with eyes. Eyewash fountains should be provided in areas where there is any possibility that workers could be exposed to the substances; this is irrespective of the recommendation involving the wearing of eye protection.

Skin and Body Protection
Skin and Body Protection. Wear protective gloves and protective clothing. Wear impervious protective clothing, including boots, gloves, lab coat, apron or coveralls, as appropriate, to prevent skin contact.

Respiratory Protection
If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn.

Hygiene Measures
Handle in accordance with good industrial hygiene and safety practice. Do not eat, drink or smoke when using this product. Remove and wash contaminated clothing before re-use. Regular cleaning of equipment, work area and clothing is recommended. Wear suitable gloves and eye/face protection. Wash hands before breaks and immediately after handling the product. Wear personal protective equipment.

9. Physical and Chemical Properties

Physical and Chemical Properties
Physical State
appearance Powder
odor threshold bluish powder
Odor No information available

Explosive Properties
No information available

Oxidizing properties
No information available

OTHER INFORMATION
softening point No information available
Molecular Weight No information available
VOC Content(%) No information available.
density No information available

10. Stability and Reactivity

Reactivity
no data available

Chemical Stability
Stable under recommended storage conditions.

Hazardous Reactions
None under normal processing

Conditions to avoid
Extremes of temperature and direct sunlight.

incompatible materials
None known based on information supplied.

Hazardous decomposition products
May emit toxic fumes under fire conditions.

11. Toxicological Information

Information on Likely Routes of Exposure

Product information
Product does not present an acute toxicity hazard based on known or supplied information

INHALATION
Avoid breathing vapors or mists.

Eye Contact
Avoid contact with eyes.
Skin Contact

Avoid contact with skin.

INGESTION

Not an expected route of exposure. Do NOT taste or swallow.

Information on Toxicological Effects

Symptoms

No information available.

Delayed and immediate effects as well as chronic effects from short and long-term exposure

- sensitization
  No information available.
- Germ cell mutagenicity
  No information available.
- carcinogenicity
  No information available.
- Reproductive Toxicity
  No information available.
- Specific target organ systemic toxicity (single exposure)
  No information available.
- Specific target organ systemic toxicity (repeated exposure)
  No information available.
- Chronic toxicity
  May cause adverse liver effects.
- Target organ effects
  EYES, Kidney, Liver, Respiratory System, skin.
- Aspiration Hazard
  No information available.

Numerical Measures of Toxicity - Product information

- Unknown Acute Toxicity
  100 percent of the mixture consists of ingredient(s) of unknown acute toxicity

12. Ecological Information

ecotoxicity

100% of the mixture consists of components(s) of unknown hazards to the aquatic environment

Persistence and Degradability

No information available.

Bioaccumulation

No information available.

Other Adverse Effects

No information available

13. Disposal Considerations

Waste treatment

Waste Disposal Methods

Should not be released into the environment. Dispose of in accordance with local regulations. This material, as supplied, is not a hazardous waste according to state and federal regulations (40 CFR 261).

Contaminated Packaging

Do not re-use empty containers. Dispose of in accordance with local regulations.

This product contains one or more substances that are listed with the State of California as a hazardous waste.

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>California Hazardous Waste Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>Direct Blue 86</td>
<td>Toxic</td>
</tr>
<tr>
<td>1330-38-7</td>
<td></td>
</tr>
</tbody>
</table>

14. TRANSPORT INFORMATION
DOT  
Description  NOT REGULATED  

MEX  

IATA  
Description  NOT REGULATED  

IMDG  
Description  NOT REGULATED  

RID  

ADN  

15. Regulatory Information  

International Inventories  

<table>
<thead>
<tr>
<th>Inventory</th>
<th>Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>TSCA</td>
<td>Listed</td>
</tr>
<tr>
<td>EINECS/ELINCS</td>
<td>Listed</td>
</tr>
<tr>
<td>DSL</td>
<td>Listed</td>
</tr>
<tr>
<td>NDSL</td>
<td>Not Determined</td>
</tr>
<tr>
<td>PICCS</td>
<td>Listed</td>
</tr>
<tr>
<td>ENCS</td>
<td>Listed</td>
</tr>
<tr>
<td>IECSC</td>
<td>Listed</td>
</tr>
<tr>
<td>AICS</td>
<td>Listed</td>
</tr>
<tr>
<td>KECL</td>
<td>Listed</td>
</tr>
<tr>
<td>NZIoC</td>
<td>Not Determined</td>
</tr>
</tbody>
</table>

Legend  

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory  
EINECS/ELINCS - European Inventory of Existing Commercial Chemical Substances/EU List of Notified Chemical Substances  
DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List  
PICCS - Philippines Inventory of Chemicals and Chemical Substances  
ENCS - Japan Existing and New Chemical Substances  
IECSC - China Inventory of Existing Chemical Substances  
AICS - Australian Inventory of Chemical Substances  
KECL - Korean Existing and Evaluated Chemical Substances  
NZIoC - New Zealand Inventory of Chemicals  

REACH registration number  
Keystone has taken all relative steps to ensure REACH-Compliance. Please contact us with any REACH-Related questions at REACH@Keystone-Europe.CO.UK  

REstrictions - REACH title VIII  
No information available  

US Federal Regulations  

SARA 313  
Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product contains a chemical or chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372:  

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>SARA 313 - Threshold Values %</th>
</tr>
</thead>
<tbody>
<tr>
<td>Direct Blue 86</td>
<td>1.0</td>
</tr>
</tbody>
</table>
SARA 311/312 Hazard Categories

- Acute health hazard: NO.
- Chronic health hazard: NO.
- Fire hazard: NO.
- Sudden Release of Pressure Hazard: NO.
- Reactive Hazard: NO.

Clean Water Act

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>CWA - Reportable Quantities</th>
<th>CWA - Toxic Pollutants</th>
<th>CWA - Priority Pollutants</th>
<th>CWA - Hazardous Substances</th>
</tr>
</thead>
<tbody>
<tr>
<td>Direct Blue 86</td>
<td></td>
<td>X</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

CERCLA

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material.

US State Regulations

California Proposition 65

This product does not contain any Proposition 65 chemicals.

U.S. State Right-to-Know Regulations

International regulations

CANADA

WHMIS Note

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all the information required by the CPR.

WHMIS Hazard Class

Non-controlled

HMIS

Health Hazard 1  flammability 1  Physical hazard 0  PERSONAL PROTECTION F
### 16. Other Information

<table>
<thead>
<tr>
<th><strong>Revision Date</strong></th>
<th>20-May-2015</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Revision note</strong></td>
<td>No information available.</td>
</tr>
<tr>
<td><strong>Restrictions on use</strong></td>
<td>No information available.</td>
</tr>
<tr>
<td><strong>Contact Information Website</strong></td>
<td><a href="http://WWW.DHARMATRADING.COM">WWW.DHARMATRADING.COM</a></td>
</tr>
</tbody>
</table>

**Disclaimer**

The information provided on this MSDS is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text.

End of Material Safety Data Sheet
1. Identification of the Substance/Preparation and of the Company/Undertaking

Product Identifier
Product Code  DM047
Product name  ACID VIOLET 90

Recommended use of the chemical and restrictions on use
Synonyms  N/A

Supplier's details
Recommended use  Industrial Use Only.
Uses advised against  No information available

Details of the Supplier of the Safety Data Sheet
Dharma Trading Co.
1805 S. McDowell Blvd. Ext.
Petaluma, CA 94954
Telephone: (800) 542-5227

Emergency Telephone Number
USA: 1-800-255-3924
China: (400-1)-400-120-0751
Other: Collect 1-813-248-0585

2. Hazards Identification

Classification
Not a dangerous substance or mixture according to the Globally Harmonized System (GHS)

EMERGENCY OVERVIEW

signal word  Not Hazardous

The product contains no substances which at their given concentration, are considered to be hazardous to health

appearance  Violet
Physical State  Powder
Odor  No information available

precautionary statements
P281 - Use personal protective equipment as required
P262 - Do not get in eyes, on skin, or on clothing
P261 - Avoid breathing dust/fume/gas/mist/vapors/spray
P264 - Wash face, hands and any exposed skin thoroughly after handling
P270 - Do not eat, drink or smoke when using this product
P501 - Dispose of contents/container to an approved waste disposal plant

Hazards Not Otherwise Classified (HNOC)

OTHER INFORMATION
Unknown Acute Toxicity
100 percent of the mixture consists of ingredient(s) of unknown acute toxicity

3. Composition/information on Ingredients
4. First aid measures

First aid measures for different exposure routes

**Eye Contact** Rinse thoroughly with plenty of water for at least 15 minutes, lifting lower and upper eyelids. Consult a physician.

**Skin Contact** Wash skin with soap and water.

**INHALATION** Move to fresh air.

**INGESTION** Clean mouth with water and drink afterwards plenty of water.

**Most important symptoms/effects, acute and delayed**

**Main Symptoms** No information available.

**Indication of immediate medical attention and special treatment needed, if necessary**

**Notes to physician** Treat symptomatically.

5. Fire-fighting measures

**Suitable extinguishing media**
Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

**Unsuitable extinguishing media** Keep away from heat and sources of ignition.

**Specific Hazards Arising from the Chemical**
No information available.

**Explosion Data**
- **Sensitivity to Mechanical Impact** None.
- **Sensitivity to Static Discharge** Fine dust dispersed in air, in sufficient concentrations, and in the presence of an ignition source is a potential dust explosion hazard.

**Protective Equipment and Precautions for Firefighters**
As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

6. Accidental release measures

**Personal precautions, protective equipment and emergency procedures**

**Personal Precautions** Avoid contact with the skin and the eyes. Use personal protective equipment. For personal protection see section 8. Ensure adequate ventilation.

**Environmental Precautions**

**Environmental Precautions** Prevent further leakage or spillage if safe to do so.

**Methods and materials for containment and cleaning up**

**Methods for containment** Prevent further leakage or spillage if safe to do so.

**Methods for Cleaning Up** Use personal protective equipment. Cover powder spill with plastic sheet or tarp to minimize spreading and keep powder dry. Take up mechanically, placing in appropriate containers for disposal. Avoid dust formation. Clean contaminated surface thoroughly.

7. Handling and Storage
Precautions for Safe Handling

Advice on safe handling
Avoid contact with skin, eyes and clothing. Do not breathe vapors/dust. In case of insufficient ventilation, wear suitable respiratory equipment. Wear personal protective equipment. Handle in accordance with good industrial hygiene and safety practice. Remove and wash contaminated clothing before re-use. Provide appropriate exhaust ventilation at places where dust is formed. Do not eat, drink or smoke when using this product. Use personal protection recommended in Section 8.

Conditions for safe storage, including any incompatibilities

Technical measures/Storage conditions
Store locked up. Keep containers tightly closed in a dry, cool and well-ventilated place. Keep in properly labeled containers. Store in accordance with the particular national regulations. Store in accordance with local regulations.

Incompatible Products
None known based on information supplied.

8. Exposure Controls/Personal Protection

Control Parameters

Exposure guidelines
This product, as supplied, does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies

Exposure Controls

Engineering Measures
Showers
Eyewash stations
Ventilation systems. Apply technical measures to comply with the occupational exposure limits. Process enclosure and/or ventilation systems.

Individual protection measures, such as personal protective equipment

Eye/Face Protection
Tightly fitting safety goggles. Avoid contact with eyes. Eyewash fountains should be provided in areas where there is any possibility that workers could be exposed to the substances; this is irrespective of the recommendation involving the wearing of eye protection.

Skin and Body Protection
Skin and Body Protection. Wear protective gloves and protective clothing. Wear impervious protective clothing, including boots, gloves, lab coat, apron or coveralls, as appropriate, to prevent skin contact.

Respiratory Protection
If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn.

Hygiene Measures
Handle in accordance with good industrial hygiene and safety practice. Do not eat, drink or smoke when using this product. Remove and wash contaminated clothing before re-use. Regular cleaning of equipment, work area and clothing is recommended. Wear suitable gloves and eye/face protection. Wash hands before breaks and immediately after handling the product. Wear personal protective equipment.

9. Physical and Chemical Properties

Physical and Chemical Properties

<table>
<thead>
<tr>
<th>Property</th>
<th>VALUES</th>
<th>Remarks • Method</th>
</tr>
</thead>
<tbody>
<tr>
<td>Physical State</td>
<td>Powder</td>
<td>Odor</td>
</tr>
<tr>
<td>appearance</td>
<td>Violet</td>
<td></td>
</tr>
<tr>
<td>odor threshold</td>
<td>No information available</td>
<td></td>
</tr>
<tr>
<td>pH</td>
<td>No information available</td>
<td></td>
</tr>
</tbody>
</table>
10. Stability and Reactivity

Reactivity
no data available

Chemical Stability
Stable under recommended storage conditions.

Hazardous Reactions
None under normal processing

Conditions to avoid
Extremes of temperature and direct sunlight.

incompatible materials
None known based on information supplied.

Hazardous decomposition products
May emit toxic fumes under fire conditions.

11. Toxicological Information

Information on Likely Routes of Exposure

Product information
Product does not present an acute toxicity hazard based on known or supplied information

INHALATION
Avoid breathing vapors or mists.

Eye Contact
Avoid contact with eyes.

Skin Contact
Avoid contact with skin.

INGESTION
Not an expected route of exposure. Do NOT taste or swallow.
Information on Toxicological Effects

Symptoms
No information available.

Delayed and immediate effects as well as chronic effects from short and long-term exposure

sensitization
No information available.
Germ cell mutagenicity
No information available.
carcinogenicity
No information available.
Reproductive Toxicity
No information available.
Specific target organ systemic toxicity (single exposure)
No information available.
Specific target organ systemic toxicity (repeated exposure)
No information available.
Aspiration Hazard
No information available.

Germ cell mutagenicity
No information available.
carcinogenicity
No information available.
Reproductive Toxicity
No information available.
Specific target organ systemic toxicity (single exposure)
No information available.
Specific target organ systemic toxicity (repeated exposure)
No information available.
Aspiration Hazard
No information available.

Numerical Measures of Toxicity - Product information

Unknown Acute Toxicity
100 percent of the mixture consists of ingredient(s) of unknown acute toxicity

12. Ecological Information

ecotoxicity
100% of the mixture consists of components(s) of unknown hazards to the aquatic environment

Persistence and Degradability
No information available.

Bioaccumulation
No information available.

Other Adverse Effects
No information available

13. Disposal Considerations

Waste treatment

Waste Disposal Methods
Should not be released into the environment. Dispose of in accordance with local regulations. This material, as supplied, is not a hazardous waste according to state and federal regulations (40 CFR 261).

Contaminated Packaging
Do not re-use empty containers. Dispose of in accordance with local regulations.

14. TRANSPORT INFORMATION

DOT
Description
NOT REGULATED

MEX

IATA
Description
NOT REGULATED

IMDG
15. Regulatory Information

International Inventories

<table>
<thead>
<tr>
<th>Inventory</th>
<th>Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>TSCA</td>
<td>Listed</td>
</tr>
<tr>
<td>EINECS/ELINCS</td>
<td>Listed</td>
</tr>
<tr>
<td>DSL</td>
<td>Listed</td>
</tr>
<tr>
<td>NDSL</td>
<td>Not Determined</td>
</tr>
<tr>
<td>PICCS</td>
<td>Listed</td>
</tr>
<tr>
<td>ENCS</td>
<td>Not Determined</td>
</tr>
<tr>
<td>IECSC</td>
<td>Listed</td>
</tr>
<tr>
<td>AICS</td>
<td>Listed</td>
</tr>
<tr>
<td>KECL</td>
<td>Not Determined</td>
</tr>
<tr>
<td>NZIoC</td>
<td>Not Determined</td>
</tr>
</tbody>
</table>

Legend

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory
EINECS/ELINCS - European Inventory of Existing Commercial Chemical Substances/EU List of Notified Chemical Substances
DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List
PICCS - Philippines Inventory of Chemicals and Chemical Substances
ENCS - Japan Existing and New Chemical Substances
IECSC - China Inventory of Existing Chemical Substances
AICS - Australian Inventory of Chemical Substances
KECL - Korean Existing and Evaluated Chemical Substances
NZIoC - New Zealand Inventory of Chemicals

REACH registration number
Keystone has taken all relative steps to ensure REACH-Compliance. Please contact us with any REACH-Related questions at REACH@Keystone-Europe.CO.UK

Restrictions - REACH TITLE VIII
No information available

US Federal Regulations

SARA 313
Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

SARA 311/312 Hazard Categories

<table>
<thead>
<tr>
<th>Hazard Category</th>
<th>Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acute health hazard</td>
<td>NO.</td>
</tr>
<tr>
<td>Chronic health hazard</td>
<td>NO.</td>
</tr>
<tr>
<td>Fire hazard</td>
<td>NO.</td>
</tr>
<tr>
<td>Sudden Release of Pressure Hazard</td>
<td>NO.</td>
</tr>
<tr>
<td>Reactive Hazard</td>
<td>NO.</td>
</tr>
</tbody>
</table>

Clean Water Act
This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42).
CERCLA
This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material.

US State Regulations

California Proposition 65
This product does not contain any Proposition 65 chemicals

U.S. State Right-to-Know Regulations

International regulations

CANADA

WHMIS Note
This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all the information required by the CPR.

WHMIS Hazard Class
Non-controlled

<table>
<thead>
<tr>
<th>HMIS</th>
<th>Health Hazard</th>
<th>flammability</th>
<th>Physical hazard</th>
<th>PERSONAL PROTECTION</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>1</td>
<td>1</td>
<td>0</td>
<td>F</td>
</tr>
</tbody>
</table>

16. Other Information

Revision Date 12-May-2015
Revision note No information available.
Restrictions on use No information available.
Contact Information Website WWW.DHARMATRADING.COM

Disclaimer
The information provided on this MSDS is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text.

End of Material Safety Data Sheet
# 1. Identification of the Substance/Preparation and of the Company/Undertaking

<table>
<thead>
<tr>
<th>Product Identifier</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Product Code</td>
<td>DM048</td>
</tr>
<tr>
<td>Product name</td>
<td>ACID BROWN 282</td>
</tr>
</tbody>
</table>

Recommended use of the chemical and restrictions on use:

| Synonyms | N/A |

Supplier's details:

<table>
<thead>
<tr>
<th>Recommended use</th>
<th>Industrial Use Only.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Uses advised against</td>
<td>No information available</td>
</tr>
</tbody>
</table>

Details of the Supplier of the Safety Data Sheet:

Dharma Trading Co.
1805 S. McDowell Blvd. Ext.
Petaluma, CA 94954
Telephone: (800) 542-5227

Emergency Telephone Number:

- USA: 1-800-255-3924
- China: (400-1)-400-120-0751
- Other: Collect 1-813-248-0585

# 2. Hazards Identification

## Classification

Not a dangerous substance or mixture according to the Globally Harmonized System (GHS)

## EMERGENCY OVERVIEW

**signal word** Not Hazardous

The product contains no substances which at their given concentration, are considered to be hazardous to health

**appearance** Brown  
**Physical State** Powder  
**Odor** No information available

**precautionary statements**

- P281 - Use personal protective equipment as required
- P262 - Do not get in eyes, on skin, or on clothing
- P261 - Avoid breathing dust/fume/gas/mist/vapors/spray
- P264 - Wash face, hands and any exposed skin thoroughly after handling
- P270 - Do not eat, drink or smoke when using this product
- P501 - Dispose of contents/container to an approved waste disposal plant

**Hazard Not Otherwise Classified (HNOC)**

**OTHER INFORMATION**

**Unknown Acute Toxicity**

100 percent of the mixture consists of ingredient(s) of unknown acute toxicity

# 3. Composition/information on Ingredients
4. First aid measures

First aid measures for different exposure routes

<table>
<thead>
<tr>
<th>Route</th>
<th>Measures</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Eye Contact</strong></td>
<td>Rinse thoroughly with plenty of water for at least 15 minutes, lifting lower and upper eyelids. Consult a physician.</td>
</tr>
<tr>
<td><strong>Skin Contact</strong></td>
<td>Wash skin with soap and water.</td>
</tr>
<tr>
<td><strong>INHALATION</strong></td>
<td>Move to fresh air.</td>
</tr>
<tr>
<td><strong>INGESTION</strong></td>
<td>Clean mouth with water and drink afterwards plenty of water.</td>
</tr>
</tbody>
</table>

**Most important symptoms/effects, acute and delayed**

<table>
<thead>
<tr>
<th>Symptom/Effect</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Main Symptoms</td>
<td>No information available.</td>
</tr>
</tbody>
</table>

Indication of immediate medical attention and special treatment needed, if necessary

Notes to physician

Treat symptomatically.

5. Fire-fighting measures

**Suitable extinguishing media**
Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

**Unsuitable extinguishing media**
Keep away from heat and sources of ignition.

**Specific Hazards Arising from the Chemical**
No information available.

**Explosion Data**
- Sensitivity to Mechanical Impact: None.
- Sensitivity to Static Discharge: Fine dust dispersed in air, in sufficient concentrations, and in the presence of an ignition source is a potential dust explosion hazard.

**Protective Equipment and Precautions for Firefighters**
As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

6. Accidental release measures

**Personal precautions, protective equipment and emergency procedures**

**Personal Precautions**
Avoid contact with the skin and the eyes. Use personal protective equipment. For personal protection see section 8. Ensure adequate ventilation.

**Environmental Precautions**

**Environmental Precautions**
Prevent further leakage or spillage if safe to do so.

**Methods and materials for containment and cleaning up**

**Methods for containment**
Prevent further leakage or spillage if safe to do so.

**Methods for Cleaning Up**
Use personal protective equipment. Cover powder spill with plastic sheet or tarp to minimize spreading and keep powder dry. Take up mechanically, placing in appropriate containers for disposal. Avoid dust formation. Clean contaminated surface thoroughly.

7. Handling and Storage
Precautions for Safe Handling

Advice on safe handling
Avoid contact with skin, eyes and clothing. Do not breathe vapors/dust. In case of insufficient ventilation, wear suitable respiratory equipment. Wear personal protective equipment. Handle in accordance with good industrial hygiene and safety practice. Remove and wash contaminated clothing before re-use. Provide appropriate exhaust ventilation at places where dust is formed. Do not eat, drink or smoke when using this product. Use personal protection recommended in Section 8.

Conditions for safe storage, including any incompatibilities

Technical measures/Storage conditions
Store locked up. Keep containers tightly closed in a dry, cool and well-ventilated place. Keep in properly labeled containers. Store in accordance with the particular national regulations. Store in accordance with local regulations.

Incompatible Products
None known based on information supplied.

8. Exposure Controls/Personal Protection

Control Parameters

Exposure guidelines
This product, as supplied, does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies

Exposure Controls

Engineering Measures
Showers
Eyewash stations
Ventilation systems. Apply technical measures to comply with the occupational exposure limits. Process enclosure and/or ventilation systems.

Individual protection measures, such as personal protective equipment

Eye/Face Protection
Tightly fitting safety goggles. Avoid contact with eyes. Eyewash fountains should be provided in areas where there is any possibility that workers could be exposed to the substances; this is irrespective of the recommendation involving the wearing of eye protection.

Skin and Body Protection
Skin and Body Protection. Wear protective gloves and protective clothing. Wear impervious protective clothing, including boots, gloves, lab coat, apron or coveralls, as appropriate, to prevent skin contact.

Respiratory Protection
If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn.

Hygiene Measures
Handle in accordance with good industrial hygiene and safety practice. Do not eat, drink or smoke when using this product. Remove and wash contaminated clothing before re-use. Regular cleaning of equipment, work area and clothing is recommended. Wear suitable gloves and eye/face protection. Wash hands before breaks and immediately after handling the product. Wear personal protective equipment.

9. Physical and Chemical Properties

Physical and Chemical Properties

Physical State
Powder

appearance
Brown

odor threshold
No information available

Odor
No information available

Property
VALUES
pH
No information available

Remarks • Method

No information available
### 10. Stability and Reactivity

**Reactivity**
no data available

**Chemical Stability**
Stable under recommended storage conditions.

**Hazardous Reactions**
None under normal processing

**Conditions to avoid**
Extremes of temperature and direct sunlight.

**incompatible materials**
None known based on information supplied.

**Hazardous decomposition products**
May emit toxic fumes under fire conditions.

### 11. Toxicological Information

**Information on Likely Routes of Exposure**

**Product information**
Product does not present an acute toxicity hazard based on known or supplied information

**INHALATION**
Avoid breathing vapors or mists.

**Eye Contact**
Avoid contact with eyes.

**Skin Contact**
Avoid contact with skin.

**INGESTION**
Not an expected route of exposure. Do NOT taste or swallow.
Information on Toxicological Effects

Symptoms
No information available.

Delayed and immediate effects as well as chronic effects from short and long-term exposure

- sensitization
  No information available.
- Germ cell mutagenicity
  No information available.
- carcinogenicity
  No information available.
- Reproductive Toxicity
  No information available.
- Specific target organ systemic toxicity (single exposure)
  No information available.
- Specific target organ systemic toxicity (repeated exposure)
  No information available.
- Aspiration Hazard
  No information available.

Numerical Measures of Toxicity - Product information

- Unknown Acute Toxicity
  100 percent of the mixture consists of ingredient(s) of unknown acute toxicity

12. Ecological Information

ecotoxicity
100% of the mixture consists of components(s) of unknown hazards to the aquatic environment

- Persistence and Degradability
  No information available.

- Bioaccumulation
  No information available.

Other Adverse Effects
No information available

13. Disposal Considerations

Waste treatment

- Waste Disposal Methods
  Should not be released into the environment. Dispose of in accordance with local regulations. This material, as supplied, is not a hazardous waste according to state and federal regulations (40 CFR 261).

- Contaminated Packaging
  Do not re-use empty containers. Dispose of in accordance with local regulations.

14. TRANSPORT INFORMATION

- DOT Description
  NOT REGULATED

- MEX

- IATA Description
  NOT REGULATED

- IMDG
Description NOT REGULATED

15. Regulatory Information

International Inventories

<table>
<thead>
<tr>
<th>Inventory</th>
<th>Listed</th>
</tr>
</thead>
<tbody>
<tr>
<td>TSCA</td>
<td>Listed</td>
</tr>
<tr>
<td>EINECS/ELINCS</td>
<td>Listed</td>
</tr>
<tr>
<td>DSL</td>
<td>Listed</td>
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<tr>
<td>NDSL</td>
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<td>PICCS</td>
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<td>KECL</td>
<td>Listed</td>
</tr>
<tr>
<td>NZIoC</td>
<td>Listed</td>
</tr>
</tbody>
</table>

Legend

- TSCA - United States Toxic Substances Control Act Section 8(b) Inventory
- EINECS/ELINCS - European Inventory of Existing Commercial Chemical Substances/EU List of Notified Chemical Substances
- DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List
- PICCS - Philippines Inventory of Chemicals and Chemical Substances
- ENCS - Japan Existing and New Chemical Substances
- IECSC - China Inventory of Existing Chemical Substances
- AICS - Australian Inventory of Chemical Substances
- KECL - Korean Existing and Evaluated Chemical Substances
- NZIoC - New Zealand Inventory of Chemicals

REACH registration number

Keystone has taken all relative steps to ensure REACH-Compliance. Please contact us with any REACH-Related questions at REACH@Keystone-Europe.CO.UK

RESTRICTIONS - REACH TITLE VIII
No information available

US Federal Regulations

SARA 313
Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

SARA 311/312 Hazard Categories

<table>
<thead>
<tr>
<th>Hazard Category</th>
<th>NO.</th>
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</thead>
<tbody>
<tr>
<td>Acute health hazard</td>
<td>NO.</td>
</tr>
<tr>
<td>Chronic health hazard</td>
<td>NO.</td>
</tr>
<tr>
<td>Fire hazard</td>
<td>NO.</td>
</tr>
<tr>
<td>Sudden Release of Pressure Hazard</td>
<td>NO.</td>
</tr>
<tr>
<td>Reactive Hazard</td>
<td>NO.</td>
</tr>
</tbody>
</table>

Clean Water Act
This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42).
CERCLA
This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material.

US State Regulations

California Proposition 65
This product does not contain any Proposition 65 chemicals

U.S. State Right-to-Know Regulations

International regulations

CANADA

WHMIS Note
This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all the information required by the CPR.

WHMIS Hazard Class
Non-controlled

HMIS

<table>
<thead>
<tr>
<th>Health Hazard</th>
<th>flammability</th>
<th>Physical hazard</th>
<th>PERSONAL PROTECTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>1</td>
<td>0</td>
<td>F</td>
</tr>
</tbody>
</table>

16. Other Information

Revision Date 27-Apr-2015
Revision note No information available.
Restrictions on use No information available.
Contact Information Website www.dharmatrading.com

Disclaimer
The information provided on this MSDS is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text.

End of Material Safety Data Sheet
1. Identification of the Substance/Preparation and of the Company/Undertaking

Product Identifier

Product Code  DM049
Product name  BROWN MIX # 49

Recommended use of the chemical and restrictions on use

Synonyms  N/A

Supplier's details

Recommended use  Industrial Use Only.
Uses advised against  No information available

Details of the Supplier of the Safety Data Sheet

Dharma Trading Co.
1805 S. McDowell Blvd. Ext.
Petaluma, CA 94954
Telephone: (800) 542-5227

Emergency Telephone Number

USA: 1-800-255-3924
China: (400-1)-400-120-0751
Other: Collect 1-813-248-0585

2. Hazards Identification

Classification

Not a dangerous substance or mixture according to the Globally Harmonized System (GHS)

EMERGENCY OVERVIEW

signal word  Not Hazardous

The product contains no substances which at their given concentration, are considered to be hazardous to health

appearance  Brown

Physical State  Powder

Odor  No information available

precautionary statements

P281 - Use personal protective equipment as required
P262 - Do not get in eyes, on skin, or on clothing
P281 - Avoid breathing dust/fume/gas/mist/vapors/spray
P264 - Wash face, hands and any exposed skin thoroughly after handling
P270 - Do not eat, drink or smoke when using this product
P501 - Dispose of contents/container to an approved waste disposal plant

Hazards Not Otherwise Classified (HNOC)

OTHER INFORMATION

Unknown Acute Toxicity
100 percent of the mixture consists of ingredient(s) of unknown acute toxicity

3. Composition/information on Ingredients
4. First aid measures

First aid measures for different exposure routes

**Eye Contact**
Rinse thoroughly with plenty of water for at least 15 minutes, lifting lower and upper eyelids. Consult a physician.

**Skin Contact**
Wash skin with soap and water.

**INHALATION**
Move to fresh air.

**INGESTION**
Clean mouth with water and drink afterwards plenty of water.

**Most important symptoms/effects, acute and delayed**

**Main Symptoms**
No information available.

**Indication of immediate medical attention and special treatment needed, if necessary**

**Notes to physician**
Treat symptomatically.

5. Fire-fighting measures

**Suitable extinguishing media**
Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

**Unsuitable extinguishing media**
Keep away from heat and sources of ignition.

**Specific Hazards Arising from the Chemical**
No information available.

**Explosion Data**

**Sensitivity to Mechanical Impact**
None.

**Sensitivity to Static Discharge**
Fine dust dispersed in air, in sufficient concentrations, and in the presence of an ignition source is a potential dust explosion hazard.

**Protective Equipment and Precautions for Firefighters**
As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

6. Accidental release measures

**Personal precautions, protective equipment and emergency procedures**

**Personal Precautions**
Avoid contact with the skin and the eyes. Use personal protective equipment. For personal protection see section 8. Ensure adequate ventilation.

**Environmental Precautions**

**Environmental Precautions**
Prevent further leakage or spillage if safe to do so.

**Methods and materials for containment and cleaning up**

**Methods for containment**
Prevent further leakage or spillage if safe to do so.

**Methods for Cleaning Up**
Use personal protective equipment. Cover powder spill with plastic sheet or tarp to minimize spreading and keep powder dry. Take up mechanically, placing in appropriate containers for disposal. Avoid dust formation. Clean contaminated surface thoroughly.

7. Handling and Storage
Precautions for Safe Handling

Advice on safe handling

Avoid contact with skin, eyes and clothing. Do not breathe vapors/dust. In case of insufficient ventilation, wear suitable respiratory equipment. Wear personal protective equipment. Handle in accordance with good industrial hygiene and safety practice. Remove and wash contaminated clothing before re-use. Provide appropriate exhaust ventilation at places where dust is formed. Do not eat, drink or smoke when using this product. Use personal protection recommended in Section 8.

Conditions for safe storage, including any incompatibilities

Technical measures/Storage conditions

Store locked up. Keep containers tightly closed in a dry, cool and well-ventilated place. Keep in properly labeled containers. Store in accordance with the particular national regulations. Store in accordance with local regulations.

Incompatible Products

None known based on information supplied.

8. Exposure Controls/Personal Protection

Control Parameters

Exposure guidelines

This product, as supplied, does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies.

Exposure Controls

Engineering Measures

Showers
Eyewash stations
Ventilation systems. Apply technical measures to comply with the occupational exposure limits. Process enclosure and/or ventilation systems.

Individual protection measures, such as personal protective equipment

Eye/Face Protection

Tightly fitting safety goggles. Avoid contact with eyes. Eyewash fountains should be provided in areas where there is any possibility that workers could be exposed to the substances; this is irrespective of the recommendation involving the wearing of eye protection.

Skin and Body Protection

Skin and Body Protection. Wear protective gloves and protective clothing. Wear impervious protective clothing, including boots, gloves, lab coat, apron or coveralls, as appropriate, to prevent skin contact.

Respiratory Protection

If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn.

Hygiene Measures

Handle in accordance with good industrial hygiene and safety practice. Do not eat, drink or smoke when using this product. Remove and wash contaminated clothing before re-use. Regular cleaning of equipment, work area and clothing is recommended. Wear suitable gloves and eye/face protection. Wash hands before breaks and immediately after handling the product. Wear personal protective equipment.

9. Physical and Chemical Properties

Physical and Chemical Properties

Physical State

Powder
Brown
No information available

Odor

No information available

Property

VALUES

Remarks • Method

pH

No information available
melting point  
Boiling point/boiling range  
Flash Point  
Evaporation Rate  
flammability (solid, gas)  
Flammability Limits in Air  
Upper Flammability Limit  
Lower Flammability Limit  
Vapor pressure  
Vapor Density  
Specific gravity  
Solubility in Other Solvents  
Partition coefficient: n-octanol/water  
Autoignition Temperature  
decomposition temperature  
Kinematic viscosity  
Dynamic viscosity  
Explosive Properties  
Oxidizing properties

**OTHER INFORMATION**

- softening point  
- Molecular Weight  
- VOC Content(%)  
- density

---

**10. Stability and Reactivity**

**Reactivity**
no data available

**Chemical Stability**
Stable under recommended storage conditions.

**Hazardous Reactions**
None under normal processing

**Conditions to avoid**
Extremes of temperature and direct sunlight.

**Incompatible materials**
None known based on information supplied.

**Hazardous decomposition products**
May emit toxic fumes under fire conditions.

---

**11. Toxicological Information**

**Information on Likely Routes of Exposure**

- **Product information**
  Product does not present an acute toxicity hazard based on known or supplied information

  - **INHALATION**
    Avoid breathing vapors or mists.
  
  - **Eye Contact**
    Avoid contact with eyes.
  
  - **Skin Contact**
    Avoid contact with skin.

  - **INGESTION**
    Not an expected route of exposure. Do NOT taste or swallow.
Information on Toxicological Effects

Symptoms
No information available.

Delayed and immediate effects as well as chronic effects from short and long-term exposure

- sensitization
  No information available.
- Germ cell mutagenicity
  No information available.
- carcinogenicity
  No information available.
- Reproductive Toxicity
  No information available.
- Specific target organ systemic toxicity (single exposure)
  No information available.
- Specific target organ systemic toxicity (repeated exposure)
  No information available.
- Aspiration Hazard
  No information available.

Germ cell mutagenicity
No information available.

Carcinogenicity
No information available.

Reproductive Toxicity
No information available.

Specific target organ systemic toxicity (single exposure)
No information available.

Specific target organ systemic toxicity (repeated exposure)
No information available.

Aspiration Hazard
No information available.

Numerical Measures of Toxicity - Product information

Unknown Acute Toxicity
100 percent of the mixture consists of ingredient(s) of unknown acute toxicity

12. Ecological Information

Ecotoxicity
100% of the mixture consists of components(s) of unknown hazards to the aquatic environment

Persistence and Degradability
No information available.

Bioaccumulation
No information available.

Other Adverse Effects
No information available

13. Disposal Considerations

Waste treatment

Waste Disposal Methods
Should not be released into the environment. Dispose of in accordance with local regulations. This material, as supplied, is not a hazardous waste according to state and federal regulations (40 CFR 261).

Contaminated Packaging
Do not re-use empty containers. Dispose of in accordance with local regulations.

14. TRANSPORT INFORMATION

DOT
Description
NOT REGULATED

MEX

IATA
Description
NOT REGULATED

IMDG
15. Regulatory Information

International Inventories

<table>
<thead>
<tr>
<th>Inventory</th>
<th>Status</th>
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<tbody>
<tr>
<td>TSCA</td>
<td>Listed</td>
</tr>
<tr>
<td>EINECS/ELINCS</td>
<td>Not Determined</td>
</tr>
<tr>
<td>DSL</td>
<td>Not Determined</td>
</tr>
<tr>
<td>NDSL</td>
<td>Not Determined</td>
</tr>
<tr>
<td>PICCS</td>
<td>Not Determined</td>
</tr>
<tr>
<td>ENCS</td>
<td>Not Determined</td>
</tr>
<tr>
<td>IECSC</td>
<td>Not Determined</td>
</tr>
<tr>
<td>AICS</td>
<td>Not Determined</td>
</tr>
<tr>
<td>KECL</td>
<td>Not Determined</td>
</tr>
<tr>
<td>NZIoC</td>
<td>Not Determined</td>
</tr>
</tbody>
</table>

Legend

- **TSCA**: United States Toxic Substances Control Act Section 8(b) Inventory
- **EINECS/ELINCS**: European Inventory of Existing Commercial Chemical Substances/EU List of Notified Chemical Substances
- **DSL/NDSL**: Canadian Domestic Substances List/Non-Domestic Substances List
- **PICCS**: Philippines Inventory of Chemicals and Chemical Substances
- **ENCS**: Japan Existing and New Chemical Substances
- **IECSC**: China Inventory of Existing Chemical Substances
- **AICS**: Australian Inventory of Chemical Substances
- **KECL**: Korean Existing and Evaluated Chemical Substances
- **NZIoC**: New Zealand Inventory of Chemicals

REACH registration number

Keystone has taken all relative steps to ensure REACH-Compliance. Please contact us with any REACH-Related questions at REACH@Keystone-Europe.CO.UK

RESTRUCTIONS - REACH TITLE VIII

No information available

US Federal Regulations

SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

SARA 311/312 Hazard Categories

- **Acute health hazard**: NO.
- **Chronic health hazard**: NO.
- **Fire hazard**: NO.
- **Sudden Release of Pressure Hazard**: NO.
- **Reactive Hazard**: NO.

Clean Water Act

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42).
CERCLA
This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material.

US State Regulations

California Proposition 65
This product does not contain any Proposition 65 chemicals

U.S. State Right-to-Know Regulations

International regulations

CANADA

WHMIS Note
This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all the information required by the CPR.

WHMIS Hazard Class
Non-controlled

HMIS

<table>
<thead>
<tr>
<th>Health Hazard</th>
<th>flammability</th>
<th>Physical hazard</th>
<th>PERSONAL PROTECTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>1</td>
<td>0</td>
<td>F</td>
</tr>
</tbody>
</table>

16. Other Information

Revision Date 29-Apr-2015
Revision note No information available.
Restrictions on use No information available.
Contact Information Website
WWW.DHARMATRADING.COM
Disclaimer
The information provided on this MSDS is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text.

End of Material Safety Data Sheet
1. Identification of the Substance/Preparation and of the Company/Undertaking

Product Identifier
Product Code    DM051
Product name    BROWN MIX 51

Recommended use of the chemical and restrictions on use
Synonyms        N/A

Supplier's details
Recommended use    Industrial Use Only.
Uses advised against    No information available

Details of the Supplier of the Safety Data Sheet
Dharma Trading Co.
1805 S. McDowell Blvd. Ext.
Petaluma, CA 94954
Telephone: (800) 542-5227

Emergency Telephone Number
USA: 1-800-255-3924
China: (400-1)-400-120-0751
Other: Collect 1-813-248-0585

2. Hazards Identification

Classification
Not a dangerous substance or mixture according to the Globally Harmonized System (GHS)

EMERGENCY OVERVIEW

signal word
Not Hazardous

The product contains no substances which at their given concentration, are considered to be hazardous to health

appearance brown powder
Physical State Powder
Odor No information available

precautionary statements
P281 - Use personal protective equipment as required
P262 - Do not get in eyes, on skin, or on clothing
P261 - Avoid breathing dust/fume/gas/mist/vapors/spray
P264 - Wash face, hands and any exposed skin thoroughly after handling
P270 - Do not eat, drink or smoke when using this product
P501 - Dispose of contents/container to an approved waste disposal plant

Hazard Not Otherwise Classified (HNOC)

OTHER INFORMATION

3. Composition/information on Ingredients

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>CAS-No</th>
<th>Weight %</th>
<th>Trade secret</th>
</tr>
</thead>
</table>

4. First aid measures

First aid measures for different exposure routes

Eye Contact  Rinse thoroughly with plenty of water for at least 15 minutes, lifting lower and upper eyelids. Consult a physician.

Skin Contact  Wash skin with soap and water.

INHALATION  Move to fresh air.

INGESTION  Clean mouth with water and drink afterwards plenty of water.

Most important symptoms/effects, acute and delayed

Main Symptoms  No information available.

Indication of immediate medical attention and special treatment needed, if necessary

Notes to physician  Treat symptomatically.

5. Fire-fighting measures

Suitable extinguishing media
Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Unsuitable extinguishing media  Keep away from heat and sources of ignition.

Specific Hazards Arising from the Chemical
No information available.

Explosion Data
Sensitivity to Mechanical Impact  None.
Sensitivity to Static Discharge  Fine dust dispersed in air, in sufficient concentrations, and in the presence of an ignition source is a potential dust explosion hazard.

Protective Equipment and Precautions for Firefighters
As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures

Personal Precautions  Avoid contact with the skin and the eyes. Use personal protective equipment. For personal protection see section 8. Ensure adequate ventilation.

Environmental Precautions

Environmental Precautions  Prevent further leakage or spillage if safe to do so.

Methods and materials for containment and cleaning up

Methods for containment  Prevent further leakage or spillage if safe to do so.

Methods for Cleaning Up  Use personal protective equipment. Cover powder spill with plastic sheet or tarp to minimize spreading and keep powder dry. Take up mechanically, placing in appropriate containers for disposal. Avoid dust formation. Clean contaminated surface thoroughly.

7. Handling and Storage
Precautions for Safe Handling

Advice on safe handling
Avoid contact with skin, eyes and clothing. Do not breathe vapors/dust. In case of insufficient ventilation, wear suitable respiratory equipment. Wear personal protective equipment. Handle in accordance with good industrial hygiene and safety practice. Remove and wash contaminated clothing before re-use. Provide appropriate exhaust ventilation at places where dust is formed. Do not eat, drink or smoke when using this product. Use personal protection recommended in Section 8.

Conditions for safe storage, including any incompatibilities

Technical measures/Storage conditions
Store locked up. Keep containers tightly closed in a dry, cool and well-ventilated place. Keep in properly labeled containers. Store in accordance with the particular national regulations. Store in accordance with local regulations.

Incompatible Products
None known based on information supplied.

8. Exposure Controls/Personal Protection

Control Parameters

Exposure guidelines

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>ACGIH TLV</th>
<th>OSHA PEL</th>
<th>NIOSH IDLH</th>
</tr>
</thead>
<tbody>
<tr>
<td>BROWN IRON OXIDE 1309-37-1</td>
<td>TWA: 5 mg/m³ respirable fraction</td>
<td>TWA: 10 mg/m³ fume TWA: 15 mg/m³ total dust TWA: 5 mg/m³ respirable fraction and total dust (vacated) TWA: 10 mg/m³ fume and total dust (vacated) TWA: 5 mg/m³ respirable fraction regulated under Rouge</td>
<td>IDLH: 2500 mg/m³ Fe dust and fume TWA: 5 mg/m³ Fe dust and fume</td>
</tr>
</tbody>
</table>

NIOSH IDLH Immediately Dangerous to Life or Health

Exposure guidelines
Vacated limits revoked by the Court of Appeals decision in AFL-CIO v. OSHA, 965 F.2d 962 (11th Cir., 1992).

Exposure Controls

Engineering Measures
Showers
Eyewash stations
Ventilation systems. Apply technical measures to comply with the occupational exposure limits. Process enclosure and/or ventilation systems.

Individual protection measures, such as personal protective equipment

Eye/face Protection
Tightly fitting safety goggles. Avoid contact with eyes. Eyewash fountains should be provided in areas where there is any possibility that workers could be exposed to the substances; this is irrespective of the recommendation involving the wearing of eye protection.

Skin and Body Protection
Skin and Body Protection. Wear protective gloves and protective clothing. Wear impervious protective clothing, including boots, gloves, lab coat, apron or coveralls, as appropriate, to prevent skin contact.

Respiratory Protection
If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn.

Hygiene Measures
Handle in accordance with good industrial hygiene and safety practice. Do not eat, drink or smoke when using this product. Remove and wash contaminated clothing before re-use. Regular cleaning of equipment, work area and clothing is recommended. Wear suitable gloves and eye/face protection. Wash hands before breaks and immediately after handling the product. Wear personal protective equipment.
9. Physical and Chemical Properties

Physical State

<table>
<thead>
<tr>
<th>Property</th>
<th>VALUE</th>
<th>Remarks • Method</th>
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<tbody>
<tr>
<td>Physical State</td>
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<tr>
<td>appearance</td>
<td>brown powder</td>
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<tr>
<td>odor threshold</td>
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<td>pH</td>
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<td>melting point</td>
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<td>Boiling point/boiling range</td>
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<td>Flash Point</td>
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10. Stability and Reactivity

Reactivity

no data available

Chemical Stability

Stable under recommended storage conditions.

Hazardous Reactions

None under normal processing

Conditions to avoid

Extremes of temperature and direct sunlight.

incompatible materials

None known based on information supplied.

Hazardous decomposition products

May emit toxic fumes under fire conditions.

11. Toxicological Information

Information on Likely Routes of Exposure

Product information
INHALATION  
Avoid breathing vapors or mists.

Eye Contact  
Avoid contact with eyes.

Skin Contact  
Avoid contact with skin.

INGESTION  
Not an expected route of exposure. Do NOT taste or swallow.

### Chemical Name  
BROWN IRON OXIDE  
1309-37-1

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>LD50 Oral</th>
<th>LD50 Dermal</th>
<th>LC50 Inhalation</th>
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<tbody>
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</table>

#### Information on Toxicological Effects

**Symptoms**  
No information available.

**Delayed and immediate effects as well as chronic effects from short and long-term exposure**

- Sensitization  
  No information available.
- Germ cell mutagenicity  
  No information available.
- Carcinogenicity  
  No information available.

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>ACGIH</th>
<th>IARC</th>
<th>NTP</th>
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<tr>
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<td>Group 3</td>
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</table>

**IARC: (International Agency for Research on Cancer)**

- Group 3 - Not Classifiable as to Carcinogenicity in Humans

**Reproductive Toxicity**  
No information available.

**Specific target organ systemic toxicity (single exposure)**  
No information available.

**Specific target organ systemic toxicity (repeated exposure)**  
No information available.

**Target organ effects**  
EYES, Respiratory System, skin.

**Aspiration Hazard**  
No information available.

#### Numerical Measures of Toxicity - Product information

The following values are calculated based on chapter 3.1 of the GHS document:

- **ATEmix (oral)**: 10000 mg/kg

### 12. Ecological Information

**Ecotoxicity**

100% of the mixture consists of components(s) of unknown hazards to the aquatic environment.

**Persistence and Degradability**

No information available.

**Bioaccumulation**

No information available.

**Other Adverse Effects**

No information available.

### 13. Disposal Considerations

#### Waste Treatment

**Waste Disposal Methods**

Should not be released into the environment. Dispose of in accordance with local regulations. This material, as supplied, is not a hazardous waste according to state and federal regulations (40 CFR 261).
Contaminated Packaging

Do not re-use empty containers. Dispose of in accordance with local regulations.

14. TRANSPORT INFORMATION

DOT
Description NOT REGULATED

MEX

IATA
Description NOT REGULATED

IMDG
Description NOT REGULATED

RID

ADN

15. Regulatory Information

International Inventories

<table>
<thead>
<tr>
<th>Inventory</th>
<th>Status</th>
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<tr>
<td>TSCA</td>
<td>Listed</td>
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<td>EINECS/ELINCS</td>
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<tr>
<td>DSL</td>
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<td>PICCS</td>
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<td>KECL</td>
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<tr>
<td>NZIoC</td>
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</table>

Legend

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory
EINECS/ELINCS - European Inventory of Existing Commercial Chemical Substances/EU List of Notified Chemical Substances
DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List
PICCS - Philippines Inventory of Chemicals and Chemical Substances
ENCS - Japan Existing and New Chemical Substances
IECSC - China Inventory of Existing Chemical Substances
AICS - Australian Inventory of Chemical Substances
KECL - Korean Existing and Evaluated Chemical Substances
NZIoC - New Zealand Inventory of Chemicals

REACH registration number
Keystone has taken all relative steps to ensure REACH-Compliance. Please contact us with any REACH-Related questions at REACH@Keystone-Europe.CO.UK

REstrictions - REACH TITLE VIII
No information available

US Federal Regulations
SARA 313
Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

SARA 311/312 Hazard Categories
Acute health hazard NO.
Chronic health hazard NO.
Fire hazard NO.
Sudden Release of Pressure Hazard NO.
Reactive Hazard NO.

Clean Water Act
This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42).

CERCLA
This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material.

US State Regulations
California Proposition 65
This product does not contain any Proposition 65 chemicals

U.S. State Right-to-Know Regulations

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>Massachusetts</th>
<th>New Jersey</th>
<th>Pennsylvania</th>
<th>Illinois</th>
<th>Rhode Island</th>
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International regulations

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<th>Chemical Name</th>
<th>Carcinogen Status</th>
<th>Exposure limits</th>
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<td>BROWN IRON OXIDE</td>
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<td>Mexico: TWA 5 mg/m³</td>
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CANADA

WHMIS Note
This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all the information required by the CPR.

WHMIS Hazard Class
Non-controlled

HMIS Health Hazard 1 flammability 1 Physical hazard 0 PERSONAL PROTECTION F
### 16. Other Information

<table>
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<tr>
<th>Revision Date</th>
<th>29-Apr-2015</th>
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<td>Restrictions on use</td>
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</table>

**Contact Information Website**

WWW.DHARMATRADING.COM

**Disclaimer**

The information provided on this MSDS is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text.

*End of Material Safety Data Sheet*
1. Identification of the Substance/Preparation and of the Company/Undertaking

Product Identifier
Product Code DM054
Product name VIOLET MIX 54

Recommended use of the chemical and restrictions on use
Synonyms N/A

Supplier's details
Recommended use Industrial Use Only.
Uses advised against No information available

Details of the Supplier of the Safety Data Sheet
Dharma Trading Co.
1805 S. McDowell Blvd. Ext.
Petaluma, CA 94954
Telephone: (800) 542-5227

Emergency Telephone Number
USA: 1-800-255-3924
China: (400-1)-400-120-0751
Other: Collect 1-813-248-0585

2. Hazards Identification

Classification
Not a dangerous substance or mixture according to the Globally Harmonized System (GHS)

signal word
Not Hazardous

EMERGENCY OVERVIEW

The product contains no substances which at their given concentration, are considered to be hazardous to health

appearance Violet Physical State Powder Odor No information available

precautionary statements
P281 - Use personal protective equipment as required
P262 - Do not get in eyes, on skin, or on clothing
P261 - Avoid breathing dust/fume/gas/mist/vapors/spray
P264 - Wash face, hands and any exposed skin thoroughly after handling
P270 - Do not eat, drink or smoke when using this product
P501 - Dispose of contents/container to an approved waste disposal plant

Hazards Not Otherwise Classified (HNOC)

OTHER INFORMATION
Unknown Acute Toxicity
100 percent of the mixture consists of ingredient(s) of unknown acute toxicity

3. Composition/information on Ingredients
4. First aid measures

First aid measures for different exposure routes

**Eye Contact**
Rinse thoroughly with plenty of water for at least 15 minutes, lifting lower and upper eyelids. Consult a physician.

**Skin Contact**
Wash skin with soap and water.

**INHALATION**
Move to fresh air.

**INGESTION**
Clean mouth with water and drink afterwards plenty of water.

**Most important symptoms/effects, acute and delayed**

**Main Symptoms**
No information available.

**Indication of immediate medical attention and special treatment needed, if necessary**

**Notes to physician**
Treat symptomatically.

5. Fire-fighting measures

**Suitable extinguishing media**
Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

**Unsuitable extinguishing media**
Keep away from heat and sources of ignition.

**Specific Hazards Arising from the Chemical**
No information available.

**Explosion Data**
- **Sensitivity to Mechanical Impact**: None.
- **Sensitivity to Static Discharge**: Fine dust dispersed in air, in sufficient concentrations, and in the presence of an ignition source is a potential dust explosion hazard.

**Protective Equipment and Precautions for Firefighters**
As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

6. Accidental release measures

**Personal precautions, protective equipment and emergency procedures**

**Personal Precautions**
Avoid contact with the skin and the eyes. Use personal protective equipment. For personal protection see section 8. Ensure adequate ventilation.

**Environmental Precautions**

**Environmental Precautions**
Prevent further leakage or spillage if safe to do so.

**Methods and materials for containment and cleaning up**

**Methods for containment**
Prevent further leakage or spillage if safe to do so.

**Methods for Cleaning Up**
Use personal protective equipment. Cover powder spill with plastic sheet or tarp to minimize spreading and keep powder dry. Take up mechanically, placing in appropriate containers for disposal. Avoid dust formation. Clean contaminated surface thoroughly.

7. Handling and Storage
Precautions for Safe Handling

Advice on safe handling
Avoid contact with skin, eyes and clothing. Do not breathe vapors/dust. In case of insufficient ventilation, wear suitable respiratory equipment. Wear personal protective equipment. Handle in accordance with good industrial hygiene and safety practice. Remove and wash contaminated clothing before re-use. Provide appropriate exhaust ventilation at places where dust is formed. Do not eat, drink or smoke when using this product. Use personal protection recommended in Section 8.

Conditions for safe storage, including any incompatibilities

Technical measures/Storage conditions
Store locked up. Keep containers tightly closed in a dry, cool and well-ventilated place. Keep in properly labeled containers. Store in accordance with the particular national regulations. Store in accordance with local regulations.

Incompatible Products
None known based on information supplied.

8. Exposure Controls/Personal Protection

Control Parameters

Exposure guidelines
This product, as supplied, does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies.

Exposure Controls

Engineering Measures
Showers
Eyewash stations
Ventilation systems. Apply technical measures to comply with the occupational exposure limits. Process enclosure and/or ventilation systems.

Individual protection measures, such as personal protective equipment

Eye/Face Protection
Tightly fitting safety goggles. Avoid contact with eyes. Eyewash fountains should be provided in areas where there is any possibility that workers could be exposed to the substances; this is irrespective of the recommendation involving the wearing of eye protection.

Skin and Body Protection
Skin and Body Protection. Wear protective gloves and protective clothing. Wear impervious protective clothing, including boots, gloves, lab coat, apron or coveralls, as appropriate, to prevent skin contact.

Respiratory Protection
If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn.

Hygiene Measures
Handle in accordance with good industrial hygiene and safety practice. Do not eat, drink or smoke when using this product. Remove and wash contaminated clothing before re-use. Regular cleaning of equipment, work area and clothing is recommended. Wear suitable gloves and eye/face protection. Wash hands before breaks and immediately after handling the product. Wear personal protective equipment.

9. Physical and Chemical Properties

Physical and Chemical Properties

<table>
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<th>Physical State</th>
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Odor
No information available

Property
VALUES
pH
No information available

Remarks • Method
melting point
Boiling point/boiling range
Flash Point
Evaporation Rate
flammability (solid, gas)
flammability limits in air
Upper Flammability Limit
Lower Flammability Limit
vapor pressure
Vapor Density
Specific gravity
Solubility in Other Solvents
Partition coefficient: n-octanol/water
Autoignition Temperature
decomposition temperature
Kinematic viscosity
Dynamic viscosity
Explosive Properties
Oxidizing properties
softening point
Molecular Weight
VOC Content(%)
density

10. Stability and Reactivity

Reactivity
no data available

Chemical Stability
Stable under recommended storage conditions.

Hazardous Reactions
None under normal processing

Conditions to avoid
Extremes of temperature and direct sunlight.

incompatible materials
None known based on information supplied.

Hazardous decomposition products
May emit toxic fumes under fire conditions.

11. Toxicological Information

Information on Likely Routes of Exposure

Product information
Product does not present an acute toxicity hazard based on known or supplied information

INHALATION
Avoid breathing vapors or mists.

Eye Contact
Avoid contact with eyes.

Skin Contact
Avoid contact with skin.

INGESTION
Not an expected route of exposure. Do NOT taste or swallow.
Information on Toxicological Effects

Symptoms
No information available.

Delayed and immediate effects as well as chronic effects from short and long-term exposure

- sensitization
  No information available.
- Germ cell mutagenicity
  No information available.
- carcinogenicity
  No information available.
- Reproductive Toxicity
  No information available.
- Specific target organ systemic toxicity (single exposure)
  No information available.
- Specific target organ systemic toxicity (repeated exposure)
  No information available.
- Aspiration Hazard
  No information available.

Numerical Measures of Toxicity - Product information

- Unknown Acute Toxicity
  100 percent of the mixture consists of ingredient(s) of unknown acute toxicity

12. Ecological Information

- ecotoxicity
  100% of the mixture consists of components(s) of unknown hazards to the aquatic environment

- Persistence and Degradaibility
  No information available.

- Bioaccumulation
  No information available.

13. Disposal Considerations

- Waste treatment
  Waste Disposal Methods
  Should not be released into the environment. Dispose of in accordance with local regulations. This material, as supplied, is not a hazardous waste according to state and federal regulations (40 CFR 261).

- Contaminated Packaging
  Do not re-use empty containers. Dispose of in accordance with local regulations.

14. TRANSPORT INFORMATION

- DOT
  Description
  NOT REGULATED

- MEX

- IATA
  Description
  NOT REGULATED

- IMDG
Description | NOT REGULATED

RID

ADN

15. Regulatory Information

International Inventories

<table>
<thead>
<tr>
<th>Inventory</th>
<th>Status</th>
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<tbody>
<tr>
<td>TSCA</td>
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<tr>
<td>EINECS/ELINCS</td>
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<tr>
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<td>Not Determined</td>
</tr>
<tr>
<td>NZIoC</td>
<td>Not Determined</td>
</tr>
</tbody>
</table>

Legend

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory
EINECS/ELINCS - European Inventory of Existing Commercial Chemical Substances/EU List of Notified Chemical Substances
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NZIoC - New Zealand Inventory of Chemicals

REACH registration number

Keystone has taken all relative steps to ensure REACH-Compliance. Please contact us with any REACH-Related questions at REACH@Keystone-Europe.CO.UK

RESTRICTIONS - REACH TITLE VIII | No information available

US Federal Regulations

SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

SARA 311/312 Hazard Categories

<table>
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<tr>
<th>Hazard Category</th>
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<tr>
<td>Chronic health hazard</td>
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<tr>
<td>Fire hazard</td>
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<tr>
<td>Sudden Release of Pressure Hazard</td>
<td></td>
</tr>
<tr>
<td>Reactive Hazard</td>
<td></td>
</tr>
</tbody>
</table>

Clean Water Act

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42).
CERCLA
This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material

US State Regulations

California Proposition 65
This product does not contain any Proposition 65 chemicals

U.S. State Right-to-Know Regulations

International regulations

CANADA

WHMIS Note
This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all the information required by the CPR.

WHMIS Hazard Class
Non-controlled

HMIS
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<tr>
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<th>PERSONAL PROTECTION</th>
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16. Other Information

Revision Date 29-Apr-2015
Revision note No information available.
Restrictions on use No information available.
Contact Information Website WWW.DHARMATRADING.COM
Disclaimer The information provided on this MSDS is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text

End of Material Safety Data Sheet