1. **PRODUCT IDENTIFICATION**

PRODUCT NAME .................. JACQUARD ACID DYE SPRUCE
PRODUCT CODE NUMBER .. #630
CHEMICAL FAMILY ............. ANTHRAQUINONE
T.S.C.A. STATUS .................... IN COMPLIANCE
PRIMARY PRODUCT USE ...... TEXTILE MANUFACTURING
MANUFACTURED BY .......... RUPERT, GIBBON & SPIDER, INC.
1147 HEALDSBURG AVENUE
HEALDSBURG, CA 95448
PHONE: 800-442-0455
POISON CONTROL: 800-222-1222

2. **HAZARDS IDENTIFICATION**

**Warning:** Causes Eye Irritation

This Product has been classified as a Category 2B eye irritant.

PRIMARY ROUTE OF EXPOSURE

<table>
<thead>
<tr>
<th>INHALATION</th>
<th>SKIN CONTACT</th>
<th>SKIN ABSORPTION</th>
<th>EYE CONTACT</th>
<th>INGESTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>YES</td>
<td>YES</td>
<td>NO</td>
<td>YES</td>
<td>NO</td>
</tr>
</tbody>
</table>

CARCINOGEN STATUS

<table>
<thead>
<tr>
<th>IARC</th>
<th>NTP</th>
<th>OSHA</th>
</tr>
</thead>
<tbody>
<tr>
<td>NO</td>
<td>NO</td>
<td>NO</td>
</tr>
</tbody>
</table>

HMIS: 1 1 0 E

CHRONIC EFFECTS OF OVEREXPOSURE

None Known

SIGNS AND SYMPTOMS OF OVEREXPOSURE

May be irritating to the eyes and respiratory tract.

MEDICAL CONDITIONS AGGRAVATED

Persons with any pre-existing skin, eye or respiratory condition may be more susceptible to the effects of this product.
3. HAZARDOUS INGREDIENTS

Acid Green 25 (4403-90-1) > 30 % Category 2B eye irritant.

The exact ingredient percentages and composition has been withheld as a trade secret.

4. EMERGENCY AND FIRST AID PROCEDURES

GENERAL INFORMATION: IMMEDIATELY REMOVE ALL CONTAMINATED CLOTHING

EYE CONTACT ........... Wash immediately with large amounts of water for 15 minutes, lifting the upper and lower lids until no evidence of product remain. Get medical attention immediately. Do not wear contact lenses while handling.

SKIN CONTACT ........... Remove all contaminated clothing immediately. Wash immediately with soap and plenty of water. If a temporary skin reaction occurs, it should be treated as allergic contact dermatitis. Launder contaminated clothing before reuse.

INGESTION ................ Dilute with water. Get medical attention. Never give fluids or induce vomiting if patient is unconscious or has convulsions.

INHALATION ............... If inhaled, remove to fresh air. If not breathing, give artificial respiration, preferably mouth to mouth. If breathing is difficult, give oxygen. Call a physician.

5. FIRE AND EXPLOSION DATA

FLASH POINT ................................... Not Applicable
EXTINGUISHING MEDIA ..............CO2 Dry Chemical Foam Water Fog
SPECIAL FIRE FIGHTING PROCEDURES/UNUSUAL FIRE OR EXPLOSION HAZARDS:
    Firefighters should be equipped with protective clothing & self-contained breathing apparatus to protect against potentially toxic & irritating fumes. In case of fire or explosion, keep unnecessary people away. Isolate hazard area & any entry. Stay upwind, out of low areas, and ventilate closed spaces before entering.
ADDITIONAL INFORMATION........Avoid dusting conditions. May form explosive dust mixtures with air.

6. SPILL OR LEAK PROCEDURES

IN CASE MATERIAL IS RELEASED/SPILLED:
    Avoid formation and deposition of dust. Do not empty into drains or waters. Do not touch or walk through the spilled material: stop leak if you can do it without risk. Take up with sand or other non-combustible absorbent material or suitable vacuum and place into labeled sealable containers. For further disposal measures see section 13.

7. SPECIAL PRECAUTIONS AND STORAGE DATA

SAFE HANDLING: In accord with good industrial practice. Handle with care and avoid personal contact.
8. EMPLOYEE PROTECTION RECOMMENDATIONS

GENERAL PROTECTIVE MEASURES:
Do not breathe dust. Avoid contact with eyes and skin. Immediately remove all contaminated clothing.

EYE PROTECTION .......... Employees should wear protective eye-goggles with side protection shield.

SKIN PROTECTION .......... Employees should avoid skin contact by wearing protective clothing. Long sleeve shirts, pants, gloves e.g. of PVC or nitrile rubber, and boots are recommended. Additional protections such as impervious suits are recommended when the potential for dermal contact is significant. Employees should wash their hands and face before eating and drinking and shower thoroughly before leaving work. Keep away from food and drink stuffs.

RESPIRATORY PROTECTION ........Inhalation of dust and aerosols must be absolutely prevented by the use of a NIOSH approved dust respirator.

VENTILATION .............. Use local ventilation.

OTHER ..................... Wear overalls, apron or other protective clothing.

9. PHYSICAL DATA

APPEARANCE ............... POWDER
COLOR ....................... DARK GREEN
ODOR .......................... NONE
ODOR THRESHOLD .......... NA
SOLUBILITY IN WATER .... 35 – 40 g/1 @ 100 C
BULK DENSITY ............... ND
VISCOSITY ...................... NA
pH .............................. 6 – 7 @ 10 g/1 at 20C
MELTING POINT/FREEZING POINT ........ NA
PARTITION COEFFICIENT: N-OCTANOL/WATER........ ND
BOILING POINT ............. NA
VAPOR PRESSURE ............ NA
VAPOR DENSITY ............. NA
EVAPORATION RATE ........ NA
FLAMMABILITY .............. NA
FLASH POINT .................. NA
INGNITION TEMP ............. NA
DECOMPOSITION TEMPERATURE .... ND
UEL .......................... NA
LEL .......................... NA
% VOLATILE: VALUE: 0.00 UNIT: % COMMENT:
10. REACTIVITY DATA

THERMAL DECOMPOSITION: No thermal decomposition when stored and handled correctly.
HAZARDOUS REACTIONS: None expected
CHEMICAL STABILITY: Stable
INCOMPATABLE MATERIALS: None
HAZARDOUS DECOMPOSITION PRODUCTS: CO2, CO, SULFUR OXIDES, NITROGEN OXIDES
CONDITIONS TO AVOID: Avoid dusting conditions and sparks/flame.
HAZARDOUS POLYMERIZATION: Will not occur

11. TOXICOLOGICAL DATA

ANIMAL TOXICITY ORAL - LD50 (INGESTION) > 5000 mg/kg (Rat)
FISH, LC50: 100-500 mg/l (48 hour Rainbow Trout)
EYE EFFECTS: SLIGHT-IRRITANT (RABBIT EYE)
SKIN EFFECTS: NON-IRRITANT (RABBIT)
SENSITIZATION: NOT EXPECTED

12. ECOLOGICAL DATA

BIODEGRADABILITY: 25-50% (TOC)
BACTERIA TOXICITY IC %: > 1000 mg/l (activated sludge)

13. DISPOSAL CONSIDERATIONS

PRODUCT: If utilization or recycling of the product is not possible, it should be disposed of in accordance with existing federal, state and local environmental regulations, e.g. by incineration in a suitable plant.
UNCLEANED PACKAGING: Soiled, empty containers are to be treated in the same way as the contents.

14. SIDPPINGDATA

PROPER SHIPPING NAME: NON-HAZARDOUS INK MATERIAL
D.O.T. HAZARD CLASSIFICATION: NOT REGULATED
FRT. CLASS PACKAGE: 55
IATA (C.P): NON-REGULATED
IMDG: NON-REGULATED
15. **REGULATORY DATA**

US REGULATIONS:

TSCA: The components of this product are listed on the TSCA Inventory

SARA 313: This product is not subject to SARA Title III Section 313 reporting requirements under 40 CFR 372.

**SARA 312:**

<table>
<thead>
<tr>
<th>Health Hazard</th>
<th>Yes</th>
<th>No</th>
</tr>
</thead>
<tbody>
<tr>
<td>Immediate (acute) health hazard</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Delayed (chronic) health hazard</td>
<td>No</td>
<td></td>
</tr>
<tr>
<td>Fire hazard</td>
<td>No</td>
<td></td>
</tr>
<tr>
<td>Sudden Release of Pressure</td>
<td>No</td>
<td></td>
</tr>
<tr>
<td>Reactivity</td>
<td>No</td>
<td></td>
</tr>
</tbody>
</table>

This product is not subject to the German Ordinance that bans certain azo dyes or the 19th Amendment of the Council Directive 76/769/EEC.

CALIFORNIA PROPOSITION 65: This product does not contain any components currently on the California List of Known Carcinogens and reproductive Toxins

16. **OTHER INFORMATION**

Rupert, Gibbon & Spider, Inc. warrants that this product conforms to the chemical description on the label and is reasonably fit for the specific purposes referred to in its directions for use, subject to the inherent risks referred to in the material safety data sheet for this product. Rupert, Gibbon & Spider, Inc. makes no other expressed or implied warranty of fitness or merchantability or any other expressed or implied warranty. In no case shall Rupert, Gibbon & Spider, Inc. be liable for consequential, special, or indirect damages resulting from the use or handling of this product.

Created: October 5, 2009
Revised: May 6, 2015
SAFETY DATA SHEET
PRINT DATE: 5/6/15

1. PRODUCT IDENTIFICATION

PRODUCT NAME ............... JACQUARD ACID DYE TEAL
PRODUCT CODE NUMBER ....#631
CHEMICAL FAMILY .......... ANTHRAQUINONE
T.S.C.A. STATUS .......... IN COMPLIANCE
PRIMARY PRODUCT USE...... TEXTILE MANUFACTURING
MANUFACTURED BY ....... RUPERT, GIBBON & SPIDER, INC.

1147 HEALDSBURG AVENUE
HEALDSBURG, CA 95448
PHONE: 800-442-0455
POISON CONTROL: 800-222-1222

2. HAZARDS IDENTIFICATION

Warning: Causes Eye Irritation

This Product has been classified as a Category 2B eye irritant.

PRIMARY ROUTE OF EXPOSURE

INHALATION: YES SKIN ABSORPTION: NO INGESTION: NO
SKIN CONTACT: YES EYE CONTACT: YES

CARCINOGEN STATUS

IARC: NO NTP: NO OSHA: NO

HMIS: 1 1 0 E

CHRONIC EFFECTS OF OVEREXPOSURE
None Known

SIGNS AND SYMPTOMS OF OVEREXPOSURE
May be irritating to the eyes and respiratory tract.

MEDICAL CONDITIONS AGGRAVATED
Persons with any pre-existing skin, eye or respiratory condition may be more susceptible to the effects of this product.
3. HAZARDOUS INGREDIENTS

Acid Green 25 (4403-90-1) > 30 % Category 2B eye irritant.

The exact ingredient percentages and composition has been withheld as a trade secret.

4. EMERGENCY AND FIRST AID PROCEDURES

GENERAL INFORMATION: IMMEDIATELY REMOVE ALL CONTAMINATED CLOTHING

EYE CONTACT ............. Wash immediately with large amounts of water for 15 minutes, lifting the upper and lower lids until no evidence of product remain. Get medical attention immediately. Do not wear contact lenses while handling.

SKIN CONTACT .......... Remove all contaminated clothing immediately. Wash immediately with soap and plenty of water. If a temporary skin reaction occurs, it should be treated as allergic contact dermatitis. Launder contaminated clothing before reuse.

INGESTION ............... Dilute with water. Get medical attention. Never give fluids or induce vomiting if patient is unconscious or has convulsions.

INHALATION ............. If inhaled, remove to fresh air. If not breathing, give artificial respiration, preferably mouth to mouth. If breathing is difficult, give oxygen. Call a physician.

5. FIRE AND EXPLOSION DATA

FLASH POINT ................................... Not Applicable
EXTINGUISHING MEDIA ............CO2 Dry Chemical Foam Water Fog
SPECIAL FIRE FIGHTING PROCEDURES/UNUSUAL FIRE OR EXPLOSION HAZARDS:
  Firefighters should be equipped with protective clothing & self-contained breathing apparatus to protect against potentially toxic & irritating fumes. In case of fire or explosion, keep unnecessary people away. Isolate hazard area & any entry. Stay upwind, out of low areas, and ventilate closed spaces before entering.
ADDITIONAL INFORMATION.......Avoid dusting conditions. May form explosive dust mixtures with air.

6. SPILL OR LEAK PROCEDURES

IN CASE MATERIAL IS RELEASED/SPILLED:
  Avoid formation and deposition of dust. Do not empty into drains or waters. Do not touch or walk through the spilled material: stop leak if you can do it without risk. Take up with sand or other non-combustible absorbent material or suitable vacuum and place into labeled sealable containers. For further disposal measures see section 13.

7. SPECIAL PRECAUTIONS AND STORAGE DATA

SAFE HANDLING: In accord with good industrial practice. Handle with care and avoid personal contact.
8. EMPLOYEE PROTECTION RECOMMENDATIONS

GENERAL PROTECTIVE MEASURES:

Do not breathe dust. Avoid contact with eyes and skin. Immediately remove all contaminated clothing.

EYE PROTECTION ........ Employees should wear protective eye-goggles with side protection shield.

SKIN PROTECTION ........ Employees should avoid skin contact by wearing protective clothing. Long sleeve shirts, pants, gloves e.g. of PVC or nitrile rubber, and boots are recommended. Additional protections such as impervious suits are recommended when the potential for dermal contact is significant. Employees should wash their hands and face before eating and drinking and shower thoroughly before leaving work. Keep away from food and drink stuffs.

RESPIRATORY PROTECTION ........ Inhaling of dust and aerosols must be absolutely prevented by the use of a NIOSH approved dust respirator.

VENTILATION .............. Use local ventilation.

OTHER ......................... Wear overalls, apron or other protective clothing.

9. PHYSICAL DATA

APPEARANCE .................... POWDER
COLOR .................................. DARK GREEN
ODOR .................................. NONE
ODOR THRESHOLD......... NA
SOLUBILITY IN WATER ...... 35 – 40 g/1 @ 100 C
BULK DENSITY ............... ND
VISCOSITY ......................... NA
pH ...................................... 6 – 7 @ 10 g/1 at 20C
MELTING POINT/FREEZING POINT NA
PARTITION COEFFICIENT: N-OCTANOL/WATER......ND
BOILING POINT ............... NA
VAPOR PRESSURE ............ NA
VAPOR DENSITY ............... NA
EVAPORATION RATE ........ NA
FLAMMABILITY ............... NA
FLASH POINT .................. NA
INGINITION TEMP ........... NA
DECOMPOSITION TEMPERATURE...ND
UEL .......................... NA
LEL .......................... NA
%VOLATILE: VALUE: 0.00 UNIT: % COMMENT:
10. REACTIVITY DATA

THERMAL DECOMPOSITION: No thermal decomposition when stored and handled correctly.
HAZARDOUS REACTIONS: None expected
CHEMICAL STABILITY: Stable
INCOMPATABLE MATERIALS: None
HAZARDOUS DECOMPOSITION PRODUCTS: CO2, CO, SULFUR OXIDES, NITROGEN OXIDES
CONDITIONS TO AVOID: Avoid dusting conditions and sparks/flame.
HAZARDOUS POLYMERIZATION: Will not occur

11. TOXICOLOGICAL DATA

ANIMAL TOXICITY ORAL - LD50 (INGESTION) > 5000 mg/kg (Rat)
FISH, LC50: 100-500 mg/l (48 hour Rainbow Trout)
EYE EFFECTS: SLIGHT-IRRITANT (RABBIT EYE)
SKIN EFFECTS: NON-IRRITANT (RABBIT)
SENSITIZATION: NOT EXPECTED

12. ECOLOGICAL DATA

BIODEGRADABILITY: 25-50% (TOC)
BACTERIA TOXICITY IC %: > 1000 mg/1 (activated sludge)

13. DISPOSAL CONSIDERATIONS

PRODUCT: If utilization or recycling of the product is not possible, it should be disposed of in accordance with existing federal, state and local environmental regulations, e.g., by incineration in a suitable plant.
UNCLEANED PACKAGING: Soiled, empty containers are to be treated in the same way as the contents.

14. SHIPPIING DATA

PROPER SHIPPING NAME: NON-HAZARDOUS INK MATERIAL
D.O.T. HAZARD CLASSIFICATION: NOT REGULATED
FRG. CLASS PACKAGE: 55
IATA (C.P): NON-REGULATED
IMDG: NON-REGULATED
15. REGULATORY DATA

US REGULATIONS:

TSCA: The components of this product are listed on the TSCA Inventory

SARA 313: This product is not subject to SARA Title III Section 313 reporting requirements under 40 CFR 372.

SARA 312:
- Immediate (acute) health hazard: Yes
- Delayed (chronic) health hazard: No
- Fire hazard: No
- Sudden Release of Pressure: No
- Reactivity: No

This product is not subject to the German Ordinance that bans certain azo dyes or the 19th Amendment of the Council Directive 76/769/EEC.

CALIFORNIA PROPOSITION 65: This product does not contain any components currently on the California List of Known Carcinogens and reproductive Toxins

16. OTHER INFORMATION

Rupert, Gibbon & Spider, Inc. warrants that this product conforms to the chemical description on the label and is reasonably fit for the specific purposes referred to in its directions for use, subject to the inherent risks referred to in the material safety data sheet for this product. Rupert, Gibbon & Spider, Inc. makes no other expressed or implied warranty of fitness or merchantability or any other expressed or implied warranty. In no case shall Rupert, Gibbon & Spider, Inc. be liable for consequential, special, or indirect damages resulting from the use or handling of this product.

Created: October 5, 2009
Revised: May 6, 2015
1. PRODUCT IDENTIFICATION

PRODUCT NAME ................... JACQUARD ACID DYE CHESTNUT
PRODUCT CODE NUMBER .. #632
CHEMICAL FAMILY .......... ACID DYESTUFF MIXTURE
T.S.C.A. STATUS .......... COMPLIANCE
PRIMARY PRODUCT USE ...... TEXTILE MANUFACTURING
MANUFACTURED BY......... RUPERT, GIBBON & SPIDER, INC.
1147 HEALDSBURG AVENUE
HEALDSBURG, CA 95448
PHONE: 800-442-0455
POISON CONTROL: 800-222-1222

2. HAZARDS IDENTIFICATION

Harmful to aquatic life with long lasting effects. (Chronic Category 3)

PRIMARY ROUTE OF EXPOSURE

<table>
<thead>
<tr>
<th></th>
<th>YES</th>
<th>SKIN ABSORPTION: NO</th>
<th>INGESTION: NO</th>
</tr>
</thead>
<tbody>
<tr>
<td>INHALATION:</td>
<td>YES</td>
<td>SKIN CONTACT: YES</td>
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<td>SKIN CONTACT:</td>
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<td>EYE CONTACT: YES</td>
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</tr>
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</table>

CARCINOGEN STATUS

IARC: NO  NTP: NO  OSHA: NO

HMIS: 1 1 0 E

CHRONIC EFFECTS OF OVEREXPOSURE

Not Known

SIGNS AND SYMPTOMS OF OVEREXPOSURE

May be irritating to the eyes, skin, and respiratory tract.

MEDICAL CONDITIONS AGGRAVATED

Persons with any pre-existing skin, eye or respiratory condition may be more susceptible to the effects of this product.
3. **HAZARDOUS INGREDIENTS**

Acid Blue 113 (3351-05-1) 10.7% Eye irritant, aquatic toxicity
Acid Orange 116 (68039-08-7) 22.6% Aquatic toxicity

The exact ingredient percentages and composition of non-hazardous components have been withheld as a trade secret.

4. **EMERGENCY AND FIRST AID PROCEDURES**

**GENERAL INFORMATION:** IMMEDIATELY REMOVE ALL CONTAMINATED CLOTHING

**EYE CONTACT** ............. Immediately flush eyes with flowing water for at least 15 minutes, holding eyelids apart to irrigate thoroughly. Get medical attention.

**SKIN CONTACT** ............ Wash skin thoroughly with soap and water. Get medical attention if irritation develops.

**INGESTION** .................. Dilute with water. Get medical attention. Never give fluids or induce vomiting if patient is unconscious or has convulsions.

**INHALATION** ............... Remove to fresh air. If breathing is difficult give oxygen; if not breathing give artificial respiration. Get medical attention.

5. **FIRE AND EXPLOSION DATA**

**FLASH POINT** ......................... Not Applicable

**EXTINGUISHING MEDIA** .......... CO2 Dry Chemical Foam Water Fog

**SPECIAL FIRE FIGHTING PROCEDURES/UNUSUAL FIRE OR EXPLOSION HAZARDS:**

As in any fire, wear self-contained breathing apparatus and full protective equipment.

**ADDITIONAL INFORMATION**........ Avoid dusting conditions. May form explosive dust mixtures with air.

6. **SPILL OR LEAK PROCEDURES**

**IN CASE MATERIAL IS RELEASED/SPILLED:**

Wear appropriate safety equipment. Contain and clean up spill immediately. Prevent from entering floor drains. Contain liquids using absorbants. Sweep powders carefully minimizing dusting. Shovel all spill materials into disposal drums and follow disposal instructions.

7. **SPECIAL PRECAUTIONS AND STORAGE DATA**

**SAFE HANDLING:** In accord with good industrial practice, handle with care and avoid personal contact.
8. EMPLOYEE PROTECTION RECOMMENDATIONS

GENERAL PROTECTIVE MEASURES:

Do not breathe dust. Avoid contact with eyes and skin. Immediately remove all contaminated clothing.

EYE PROTECTION .......... Wear safety glasses with side shields or safety goggles.

SKIN PROTECTION .......... Wear chemical resistant rubber gloves and long sleeved clothing.

RESPIRATORY PROTECTION ............Inhalation of dust and aerosols must be absolutely prevented by the use of a NIOSH approved dust respirator.

VENTILATION .............. Use local ventilation.

OTHER ....................... Wear overalls, apron or other protective clothing.

9. PHYSICAL DATA

APPEARANCE ............... POWDER
COLOR ......................... BROWN
ODOR ......................... NONE
ODOR THRESHOLD ........ NA
SOLUBILITY IN WATER ...... ND
BULK DENSITY ............... ND
VISCOSITY .................. NA
pH .................................. 7.5

MELTING POINT/FREEZING POINT..... NA

PARTITION COEFFICIENT: N-OCTANOL/WATER....... ND

BOILING POINT .............. NA
VAPOR PRESSURE ............. NA
VAPOR DENSITY .............. NA
EVAPORATION RATE .......... NA
FLAMMABILITY .............. NA
FLASHPOINT .................. NA
IGNITION TEMP ............... NA
DECOMPOSITION TEMPERATURE.... ND
UEL .............................. NA
LEL .............................. NA
% VOLATILE: VALUE: ND UNIT: % COMMENT:

10. REACTIVITY DATA

THERMAL DECOMPOSITION: No thermal decomposition when stored and handled correctly.

HAZARDOUS REACTIONS : None expected

CHEMICAL STABILITY ............... Stable

INCOMPATABLE MATERIALS: None

HAZARDOUS DECOMPOSITION PRODUCTS...... CO2, CO, SULFUR OXIDES, NITROGEN OXIDES

CONDITIONS TO AVOID .............. Avoid dusting conditions and sparks/flame.

HAZARDOUS POLYMERIZATION .... Will not occur
11. TOXICOLOGICAL DATA

ANIMAL TOXICITY ORAL - LD50 (INGESTION) ....... > 5000 mg/kg (Rat)
FISH, LC50 ................................................................. 10-100 mg/l (48 h, Rainbow Trout)
EYE EFFECTS ............................................................ NON-IRRITANT
SKIN EFFECTS ........................................................... NON-IRRITANT
SENSITIZATION ........................................................ NOT EXPECTED

12. ECOLOGICAL DATA

BIODEGRADABILITY: 50-100%
BACTERIA TOXICITY EC50: ND
AOX CONTENT: ND
COD: 1800 mg/g

13. DISPOSAL CONSIDERATIONS

PRODUCT: ........ If utilization or recycling of the product is not possible, it should be disposed of in accordance with existing federal, state and local environmental regulations, e.g. by incineration in a suitable plant.
UNCLEANED PACKAGING: Soiled, empty containers are to be treated in the same way as the contents.

14. SHIPPING DATA

PROPER SHIPPING NAME: NON-HAZARDOUS INK MATERIAL
D.O.T. HAZARD CLASSIFICATION: NOT REGULATED
FRT. CLASS PACKAGE: 55

IATA: NON-REGULATED
IMDG: NON-REGULATED

15. REGULATORY DATA

US REGULATIONS:

TSCA: The components of this product are listed on the TSCA Inventory
SARA 313: This product is not subject to SARA Title III Section 313 reporting requirements under 40 CFR 372.
SARA312: Immediate (acute) health hazard YES
          Delayed (chronic) health hazard No
          Fire hazard No
          Sudden Release of Pressure No
          Reactivity No
This product is not subject to the German Ordinance that bans certain azo dyes or the 19th Amendment of the Council Directive 76/769/EEC.

CALIFORNIA PROPOSITION 65: This product does not contain any components currently on the California List of Known Carcinogens and reproductive Toxins

16. OTHER INFORMATION

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Created: February 9, 2010
Revised: May 6, 2015
1. PRODUCT IDENTIFICATION

PRODUCT NAME ................... JACQUARD ACID DYE AZTEC GOLD
PRODUCT CODE NUMBER .. #633
CHEMICAL FAMILY ............ ACID DYESTUFF MIXTURE
T.S.C.A. STATUS ............... COMPLIANCE
PRIMARY PRODUCT USE....... TEXTILE MANUFACTURING
MANUFACTURED BY.......... RUPERT, GIBBON & SPIDER, INC.
1147 HEALDSBURG AVENUE
HEALDSBURG, CA 95448
PHONE: 800-442-0455
POISON CONTROL: 800-222-1222

2. HAZARDS IDENTIFICATION

Harmful to aquatic life with long lasting effects. (Chronic Category 3)

PRIMARY ROUTE OF EXPOSURE

INHALATION: YES SKIN ABSORPTION: NO INGESTION: NO
SKIN CONTACT: YES EYE CONTACT: YES

CARCINOGEN STATUS

IARC: NO NTP: NO OSHA: NO

HMIS: 1 1 0 E

CHRONIC EFFECTS OF OVEREXPOSURE
Not Known

SIGNS AND SYMPTOMS OF OVEREXPOSURE
May be irritating to the eyes, skin, and respiratory tract.

MEDICAL CONDITIONS AGGRAVATED
Persons with any pre-existing skin, eye or respiratory condition may be more susceptible to the effects of this product.
3. HAZARDOUS INGREDIENTS

Acid Blue 113 (3351-05-1) 10.7% Eye irritant, aquatic toxicity
Acid Orange 116 (68039-08-7) 22.6% Aquatic toxicity

The exact ingredient percentages and composition of non-hazardous components have been withheld as a trade secret.

4. EMERGENCY AND FIRST AID PROCEDURES

GENERAL INFORMATION: IMMEDIATELY REMOVE ALL CONTAMINATED CLOTHING

EYE CONTACT ............... Immediately flush eyes with flowing water for at least 15 minutes, holding eyelids apart to irrigate thoroughly. Get medical attention.

SKIN CONTACT ........... Wash skin thoroughly with soap and water. Get medical attention if irritation develops.

INGESTION ................... Dilute with water. Get medical attention. Never give fluids or induce vomiting if patient is unconscious or has convulsions.

INHALATION ............... Remove to fresh air. If breathing is difficult give oxygen; if not breathing give artificial respiration. Get medical attention.

5. FIRE AND EXPLOSION DATA

FLASH POINT .......................... Not Applicable
EXTINGUISHING MEDIA .......... CO2 Dry Chemical Foam Water Fog
SPECIAL FIRE FIGHTING PROCEDURES/UNUSUAL FIRE OR EXPLOSION HAZARDS:
   As in any fire, wear self-contained breathing apparatus and full protective equipment.
ADDITIONAL INFORMATION...........Avoid dusting conditions. May form explosive dust mixtures with air.

6. SPILL OR LEAK PROCEDURES

IN CASE MATERIAL IS RELEASED/SPILLED:
   Wear appropriate safety equipment. Contain and clean up spill immediately. Prevent from entering floor drains.
   Contain liquids using absorbants. Sweep powders carefully minimizing dusting. Shovel all spill materials into disposal drums and follow disposal instructions.

7. SPECIAL PRECAUTIONS AND STORAGE DATA

SAFE HANDLING: In accord with good industrial practice, handle with care and avoid personal contact.
8. EMPLOYEE PROTECTION RECOMMENDATIONS

GENERAL PROTECTIVE MEASURES:

Do not breathe dust. Avoid contact with eyes and skin. Immediately remove all contaminated clothing.

EYE PROTECTION ........ Wear safety glasses with side shields or safety goggles.

SKIN PROTECTION ........ Wear chemical resistant rubber gloves and long sleeved clothing.

RESPIRATORY PROTECTION ...........Inhalation of dust and aerosols must be absolutely prevented by the use of a NIOSH approved dust respirator.

VENTILATION .................. Use local ventilation.

OTHER .................................. Wear overalls, apron or other protective clothing.

9. PHYSICAL DATA

APPEARANCE .................... POWDER
COLOR ................................ BROWN
ODOR .............................. NONE
ODOR THRESHOLD ............. NA
SOLUBILITY IN WATER ...... ND
BULK DENSITY .................. ND
VISCOSITY ....................... NA
pH .................................... 7.5
MELTING POINT/ FREEZING POINT ...... NA
PARTITION COEFFICIENT: N-OCTANOL/WATER ...... ND
BOILING POINT ................. NA
VAPOR PRESSURE ................ NA
VAPOR DENSITY ................ NA
EVAPORATION RATE .......... NA
FLAMMABILITY ................. NA
FLASHPOINT ...................... NA
IGNITION TEMP ................ NA
DECOMPOSITION TEMPERATURE .... ND
UEL .................................. NA
LEL .................................. NA
% VOLATILE: VALUE: ND UNIT: % COMMENT:

10. REACTIVITY DATA

THERMAL DECOMPOSITION: No thermal decomposition when stored and handled correctly.
HAZARDOUS REACTIONS : None expected
CHEMICAL STABILITY.......................... Stable
INCOMPATABLE MATERIALS: None
HAZARDOUS DECOMPOSITION PRODUCTS...... CO2, CO, SULFUR OXIDES, NITROGEN OXIDES
CONDITIONS TO AVOID ........... Avoid dusting conditions and sparks/flame.
HAZARDOUS POLYMERIZATION .... Will not occur
11. TOXICOLOGICAL DATA

ANIMAL TOXICITY ORAL - LD50 (INGESTION) ........ > 5000 mg/kg (Rat)
FISH, LC50................................................................. 10- 100 mg/l (48 h, Rainbow Trout)
EYE EFFECTS ......................................................... NON-IRRITANT
SKIN EFFECTS ....................................................... NON-IRRITANT
SENSITIZATION ..................................................... NOT EXPECTED

12. ECOLOGICAL DATA

BIODEGRADABILITY: 50-100%
BACTERIA TOXICITY EC50: ND
AOX CONTENT: ND
COD: 1800 mg/g

13. DISPOSAL CONSIDERATIONS

PRODUCT:........ If utilization or recycling of the product is not possible, it should be disposed of in accordance with existing federal, state and local environmental regulations, e.g. by incineration in a suitable plant.
UNCLEANED PACKAGING: Soiled, empty containers are to be treated in the same way as the contents.

14. SHIPPING DATA

PROPER SHIPPING NAME: NON-HAZARDOUS INK MATERIAL
D.O.T. HAZARD CLASSIFICATION: NOT REGULATED
FRT. CLASS PACKAGE: 55

IATA: NON-REGULATED
IMDG: NON-REGULATED

15. REGULATORY DATA

US REGULATIONS:
TSCA: The components of this product are listed on the TSCA Inventory
SARA 313: This product is not subject to SARA Title III Section 313 reporting requirements under 40 CFR 372.

SARA312: Immediate (acute) health hazard YES
Delayed (chronic) health hazard No
Fire hazard No
Sudden Release of Pressure No
Reactivity No
This product is not subject to the German Ordinance that bans certain azo dyes or the 19th Amendment of the Council Directive 76/769/EEC.

CALIFORNIA PROPOSITION 65: This product does not contain any components currently on the California List of Known Carcinogens and reproductive Toxins

16. OTHER INFORMATION

Rupert, Gibbon & Spider, Inc. warrants that this product conforms to the chemical description on the label and is reasonably fit for the specific purposes referred to in its directions for use, subject to the inherent risks referred to in the material safety data sheet for this product. Rupert, Gibbon & Spider, Inc. makes no other expressed or implied warranty of fitness or merchantability or any other expressed or implied warranty. In no case shall Rupert, Gibbon & Spider, Inc. be liable for consequential, special, or indirect damages resulting from the use or handling of this product.

Created: February 9, 2010
Revised: May 6, 2015
1. PRODUCT IDENTIFICATION

PRODUCT NAME ................... JACQUARD ACID DYE OLIVE
PRODUCT CODE NUMBER ..#634
CHEMICAL FAMILY .............ACID DYESTUFF MIXTURE
T.S.C.A. STATUS ..........COMPLIANCE
PRIMARY PRODUCT USE.......TEXTILE MANUFACTURING
MANUFACTURED BY......... RUPERT, GIBBON & SPIDER, INC.
1147 HEALDSBURG AVENUE
HEALDSBURG, CA 95448
PHONE: 800-442-0455
POISON CONTROL: 800-222-1222

2. HAZARDS IDENTIFICATION

Harmful to aquatic life with long lasting effects. (Chronic Category 3)

PRIMARY ROUTE OF EXPOSURE

INHALATION: YES SKIN ABSORPTION: NO INGESTION: NO
SKIN CONTACT: YES EYE CONTACT: YES

CARCINOGEN STATUS

IARC: NO NTP: NO OSHA: NO

HMIS: 1 1 0 E

CHRONIC EFFECTS OF OVEREXPOSURE
Not Known

SIGNS AND SYMPTOMS OF OVEREXPOSURE
May be irritating to the eyes, skin, and respiratory tract.

MEDICAL CONDITIONS AGGRAVATED
Persons with any pre-existing skin, eye or respiratory condition may be more susceptible to the effects of this product.
3. HAZARDOUS INGREDIENTS

Acid Blue 113 (3351-05-1) 10.7% Eye irritant, aquatic toxicity
Acid Orange 116 (68039-08-7) 22.6% Aquatic toxicity

The exact ingredient percentages and composition of non-hazardous components have been withheld as a trade secret.

4. EMERGENCY AND FIRST AID PROCEDURES

GENERAL INFORMATION: IMMEDIATELY REMOVE ALL CONTAMINATED CLOTHING

EYE CONTACT ............. Immediately flush eyes with flowing water for at least 15 minutes, holding eyelids apart to irrigate thoroughly. Get medical attention.

SKIN CONTACT .......... Wash skin thoroughly with soap and water. Get medical attention if irritation develops.

INGESTION ................... Dilute with water. Get medical attention. Never give fluids or induce vomiting if patient is unconscious or has convulsions.

INHALATION ............... Remove to fresh air. If breathing is difficult give oxygen; if not breathing give artificial respiration. Get medical attention.

5. FIRE AND EXPLOSION DATA

FLASH POINT ....................... Not Applicable
EXTINGUISHING MEDIA .......... C02 Dry Chemical Foam Water Fog
SPECIAL FIRE FIGHTING PROCEDURES/UNUSUAL FIRE OR EXPLOSION HAZARDS:
As in any fire, wear self-contained breathing apparatus and full protective equipment.
ADDITIONAL INFORMATION........ Avoid dusting conditions. May form explosive dust mixtures with air.

6. SPILL OR LEAK PROCEDURES

IN CASE MATERIAL IS RELEASED/SPILLED:
Wear appropriate safety equipment. Contain and clean up spill immediately. Prevent from entering floor drains.
Contain liquids using absorbants. Sweep powders carefully minimizing dusting. Shovel all spill materials into disposal drums and follow disposal instructions.

7. SPECIAL PRECAUTIONS AND STORAGE DATA

SAFE HANDLING: In accord with good industrial practice, handle with care and avoid personal contact.
8. EMPLOYEE PROTECTION RECOMMENDATIONS

GENERAL PROTECTIVE MEASURES:
Do not breathe dust. Avoid contact with eyes and skin. Immediately remove all contaminated clothing.

EYE PROTECTION ......... Wear safety glasses with side shields or safety goggles.

SKIN PROTECTION ....... Wear chemical resistant rubber gloves and long sleeved clothing.
RESPIRATORY PROTECTION ..........Inhalation of dust and aerosols must be absolutely prevented by the use of a NIOSH approved dust respirator.
VENTILATION .................. Use local ventilation.

OTHER .......................... Wear overalls, apron or other protective clothing.

9. PHYSICAL DATA

APPEARANCE .................. POWDER
COLOR .............................. BROWN
ODOR ....................................... NONE
ODOR THRESHOLD ............. NA
SOLUBILITY IN WATER ...... ND
BULK DENSITY .................. ND
VISCOSITY ....................... NA
pH ........................................ 7.5
MELTING POINT/FREEZING POINT..... NA
PARTITION COEFFICIENT: N-octanol/ water ...... NA
BOILING POINT ................. NA
VAPOR PRESSURE .............. NA
VAPOR DENSITY ............... NA
EVAPORATION RATE .......... NA
FLAMMABILITY ................. NA
FLASHPOINT ...................... NA
INGNITION TEMP ................ NA
DECOMPOSITION TEMPERATURE... ND
UEL ................................. NA
LEL ................................. NA
% VOLATILE: VALUE: ND UNIT: % COMMENT:

10. REACTIVITY DATA

THERMAL DECOMPOSITION: No thermal decomposition when stored and handled correctly.
HAZARDOUS REACTIONS : None expected
CHEMICAL STABILITY .................. Stable
INCOMPATABLE MATERIALS: None
HAZARDOUS DECOMPOSITION PRODUCTS......CO2, CO, SULFUR OXIDES, NITROGEN OXIDES
CONDITIONS TO AVOID ............... Avoid dusting conditions and sparks/lame.
HAZARDOUS POLYMERIZATION....Will not occur
11. TOXICOLOGICAL DATA

ANIMAL TOXICITY ORAL - LD50 (INGESTION) ......< 5000 mg/kg (Rat)
FISH, LC50................................................................. 10- 100 mg/l (48 h, Rainbow Trout)
EYE EFFECTS .......................................................... NON-IRRITANT
SKIN EFFECTS ......................................................... NON-IRRITANT
SENSITIZATION ...................................................... NOT EXPECTED

12. ECOLOGICAL DATA

BIODEGRADABILITY:  50-100%
BACTERIA TOXICITY EC50:  ND
AOX CONTENT:        ND
COD:                 1800 mg/g

13. DISPOSAL CONSIDERATIONS

PRODUCT:........ If utilization or recycling of the product is not possible, it should be disposed of in accordance with existing federal, state and local environmental regulations, e.g. by incineration in a suitable plant.
UNCLEANED PACKAGING: Soiled, empty containers are to be treated in the same way as the contents.

14. SHIPPING DATA

PROPER SHIPPING NAME:  NON-HAZARDOUS INK MATERIAL
D.O.T. HAZARD CLASSIFICATION:  NOT REGULATED
FRT. CLASS PACKAGE:  55

IATA:  NON-REGULATED
IMDG:  NON-REGULATED

15. REGULATORY DATA

US REGULATIONS:

TSCA:  The components of this product are listed on the TSCA Inventory
SARA 313:  This product is not subject to SARA Title III Section 313 reporting requirements under 40 CFR 372.

SARA312:  
Immediat (acute) health hazard  YES
Delayed (chronic) health hazard  No
Fire hazard                      No
Sudden Release of Pressure      No
Reactivity                      No
This product is not subject to the German Ordinance that bans certain azo dyes or the 19th Amendment of the Council Directive 76/769/EEC.

CALIFORNIA PROPOSITION 65: This product does not contain any components currently on the California List of Known Carcinogens and reproductive Toxins

16. OTHER INFORMATION

Rupert, Gibbon & Spider, Inc. warrants that this product conforms to the chemical description on the label and is reasonably fit for the specific purposes referred to in its directions for use, subject to the inherent risks referred to in the material safety data sheet for this product. Rupert, Gibbon & Spider, Inc. makes no other expressed or implied warranty of fitness or merchantability or any other expressed or implied warranty. In no case shall Rupert, Gibbon & Spider, Inc. be liable for consequential, special, or indirect damages resulting from the use or handling of this product.

Created: February 9, 2010  
Revised: May 6, 2015
1. PRODUCT IDENTIFICATION

PRODUCT NAME ................. JACQUARD ACID DYE BROWN
PRODUCT CODE NUMBER .. #635
CHEMICAL FAMILY ............ ACID DYESTUFF MIXTURE
T.S.C.A. STATUS .............. COMPLIANCE
PRIMARY PRODUCT USE....... TEXTILE MANUFACTURING
MANUFACTURED BY......... RUPERT, GIBBON & SPIDER, INC.
1147 HEALDSBURG AVENUE
HEALDSBURG, CA 95448
PHONE: 800-442-0455
POISON CONTROL: 800-222-1222

2. HAZARDS IDENTIFICATION

Harmful to aquatic life with long lasting effects. (Chronic Category 3)

PRIMARY ROUTE OF EXPOSURE

<table>
<thead>
<tr>
<th>INHALATION</th>
<th>YES</th>
<th>SKIN ABSORPTION</th>
<th>NO</th>
<th>INGESTION</th>
<th>NO</th>
</tr>
</thead>
<tbody>
<tr>
<td>SKIN CONTACT</td>
<td>YES</td>
<td>EYE CONTACT</td>
<td>YES</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

CARCINOGEN STATUS

IARC: NO  NTP: NO  OSHA: NO

HMIS: 110 E

CHRONIC EFFECTS OF OVEREXPOSURE

Not Known

SIGNS AND SYMPTOMS OF OVEREXPOSURE

May be irritating to the eyes, skin, and respiratory tract.

MEDICAL CONDITIONS AGGRAVATED

Persons with any pre-existing skin, eye or respiratory condition may be more susceptible to the effects of this product.
3. HAZARDOUS INGREDIENTS

Acid Blue 113 (3351-05-1) 10.7% Eye irritant, aquatic toxicity
Acid Orange 116 (68039-08-7) 22.6% Aquatic toxicity

The exact ingredient percentages and composition of non-hazardous components have been withheld as a trade secret.

4. EMERGENCY AND FIRST AID PROCEDURES

GENERAL INFORMATION: IMMEDIATELY REMOVE ALL CONTAMINATED CLOTHING

EYE CONTACT ............. Immediately flush eyes with flowing water for at least 15 minutes, holding eyelids apart to irrigate thoroughly. Get medical attention.

SKIN CONTACT .......... Wash skin thoroughly with soap and water. Get medical attention if irritation develops.

INGESTION ............... Dilute with water. Get medical attention. Never give fluids or induce vomiting if patient is unconscious or has convulsions.

INHALATION .............. Remove to fresh air. If breathing is difficult give oxygen; if not breathing give artificial respiration. Get medical attention.

5. FIRE AND EXPLOSION DATA

FLASH POINT ......................... Not Applicable
EXTINGUISHING MEDIA .......... CO2 Dry Chemical Foam Water Fog
SPECIAL FIRE FIGHTING PROCEDURES/UNUSUAL FIRE OR EXPLOSION HAZARDS:
As in any fire, wear self-contained breathing apparatus and full protective equipment.
ADDITIONAL INFORMATION........ Avoid dusting conditions. May form explosive dust mixtures with air.

6. SPILL OR LEAK PROCEDURES

IN CASE MATERIAL IS RELEASED/SPILLED:
Wear appropriate safety equipment. Contain and clean up spill immediately. Prevent from entering floor drains.
Contain liquids using absorbants. Sweep powders carefully minimizing dusting. Shovel all spill materials into disposal drums and follow disposal instructions.

7. SPECIAL PRECAUTIONS AND STORAGE DATA

SAFE HANDLING: In accord with good industrial practice, handle with care and avoid personal contact.
8. EMPLOYEE PROTECTION RECOMMENDATIONS

GENERAL PROTECTIVE MEASURES:
Do not breathe dust. Avoid contact with eyes and skin. Immediately remove all contaminated clothing.

EYE PROTECTION .......... Wear safety glasses with side shields or safety goggles.

SKIN PROTECTION .......... Wear chemical resistant rubber gloves and long sleeved clothing.

RESPIRATORY PROTECTION .......... Inhalation of dust and aerosols must be absolutely prevented by the use of a NIOSH approved dust respirator.

VENTILATION .......... Use local ventilation.

OTHER ......................... Wear overalls, apron or other protective clothing.

9. PHYSICAL DATA

APPEARANCE ............... POWDER
COLOR ...................... BROWN
ODOR ....................... NONE

ODOR THRESHOLD .......... NA

SOLUBILITY IN WATER ...... ND
BULK DENSITY ............. ND
VISCOSITY ................. NA

pH ........................................ 7.5

MELTING POINT/ FREEZING POINT ...... NA

PARTITION COEFFICIENT: N-OCTANOL/WATER .......... NA

BOILING POINT ............. NA
VAPOR PRESSURE ........... NA
VAPOR DENSITY ............ NA

EVAPORATION RATE ......... NA
FLAMMABILITY .............. NA
FLASHPOINT ................. NA
IGNITION TEMP .............. NA

DECOMPOSITION TEMPERATURE... ND
UEL ............................. NA
LEL .............................. NA

% VOLATILE: VALUE: ND UNIT: % COMMENT:

10. REACTIVITY DATA

THERMAL DECOMPOSITION: No thermal decomposition when stored and handled correctly.

HAZARDOUS REACTIONS : None expected

CHEMICAL STABILITY .................. Stable

INCOMPATABLE MATERIALS: None

HAZARDOUS DECOMPOSITION PRODUCTS ...... CO2, CO, SULFUR OXIDES, NITROGEN OXIDES

CONDITIONS TO AVOID ............ Avoid dusting conditions and sparks/flame.

HAZARDOUS POLYMERIZATION ....... Will not occur
11. TOXICOLOGICAL DATA

ANIMAL TOXICITY ORAL - LD50 (INGESTION) ........ > 5000 mg/kg (Rat)
FISH, LC50................................................................. 10- 100 mg/1 (48 h, Rainbow Trout)
EYE EFFECTS ........................................................... NON-IRRITANT
SKIN EFFECTS ......................................................... NON-IRRITANT
SENSITIZATION ....................................................... NOT EXPECTED

12. ECOLOGICAL DATA

BIODEGRADABILITY: 50-100%
BACTERIA TOXICITY EC50: ND
AOX CONTENT: ND
COD: 1800 mg/g

13. DISPOSAL CONSIDERATIONS

PRODUCT:........ If utilization or recycling of the product is not possible, it should be disposed of in accordance with existing federal, state and local environmental regulations, e.g. by incineration in a suitable plant.
UNCLEANED PACKAGING: Soiled, empty containers are to be treated in the same way as the contents.

14. SHIPPING DATA

PROPER SHIPPING NAME: NON-HAZARDOUS INK MATERIAL
D.O.T. HAZARD CLASSIFICATION: NOT REGULATED
FRT. CLASS PACKAGE: 55
IATA: NON-REGULATED
IMDG: NON-REGULATED

15. REGULATORY DATA

US REGULATIONS:

TSCA: The components of this product are listed on the TSCA Inventory
SARA 313: This product is not subject to SARA Title III Section 313 reporting requirements under 40 CFR 372.

SARA312:
Immediate (acute) health hazard YES
Delayed (chronic) health hazard No
Fire hazard No
Sudden Release of Pressure No
Reactivity No
This product is not subject to the German Ordinance that bans certain azo dyes or the 19th Amendment of the Council Directive 76/769/EEC.

CALIFORNIA PROPOSITION 65: This product does not contain any components currently on the California List of Known Carcinogens and reproductive Toxins

16. OTHER INFORMATION

Rupert, Gibbon & Spider, Inc. warrants that this product conforms to the chemical description on the label and is reasonably fit for the specific purposes referred to in its directions for use, subject to the inherent risks referred to in the material safety data sheet for this product. Rupert, Gibbon & Spider, Inc. makes no other expressed or implied warranty of fitness or merchantability or any other expressed or implied warranty. In no case shall Rupert, Gibbon & Spider, Inc. be liable for consequential, special, or indirect damages resulting from the use or handling of this product.

Created: February 9, 2010
Revised: May 6, 2015
1. PRODUCT IDENTIFICATION

PRODUCT NAME ................... JACQUARD ACID DYE GOLD OCHRE
PRODUCT CODE NUMBER .. #636
CHEMICAL FAMILY ............... ACID DYESTUFF MIXTURE
T.S.C.A. STATUS ................. COMPLIANCE
PRIMARY PRODUCT USE ........ TEXTILE MANUFACTURING
MANUFACTURED BY .......... RUPERT, GIBBON & SPIDER, INC.
1147 HEALDSBURG AVENUE
HEALDSBURG, CA 95448
PHONE: 800-442-0455
POISON CONTROL: 800-222-1222

2. HAZARDS IDENTIFICATION

Harmful to aquatic life with long lasting effects. (Chronic Category 3)

PRIMARY ROUTE OF EXPOSURE

INHALATION: YES    SKIN ABSORPTION: NO    INGESTION: NO
SKIN CONTACT: YES    EYE CONTACT: YES

CARCINOGEN STATUS

IARC: NO    NTP: NO    OSHA: NO

HMIS: 1 1 0 E

CHRONIC EFFECTS OF OVEREXPOSURE

Not Known

SIGNS AND SYMPTOMS OF OVEREXPOSURE

May be irritating to the eyes, skin, and respiratory tract.

MEDICAL CONDITIONS AGGRAVATED

Persons with any pre-existing skin, eye or respiratory condition may be more susceptible to the effects of this product.
3. **HAZARDOUS INGREDIENTS**

Acid Blue 113 (3351-05-1) 10.7%  Eye irritant, aquatic toxicity
Acid Orange 116 (68039-08-7) 22.6%  Aquatic toxicity

The exact ingredient percentages and composition of non-hazardous components have been withheld as a trade secret.

4. **EMERGENCY AND FIRST AID PROCEDURES**

GENERAL INFORMATION: IMMEDIATELY REMOVE ALL CONTAMINATED CLOTHING

EYE CONTACT .............. Immediately flush eyes with flowing water for at least 15 minutes, holding eyelids apart to irrigate thoroughly. Get medical attention.

SKIN CONTACT .......... Wash skin thoroughly with soap and water. Get medical attention if irritation develops.

INGESTION ................. Dilute with water. Get medical attention. Never give fluids or induce vomiting if patient is unconscious or has convulsions.

INHALATION ............... Remove to fresh air. If breathing is difficult give oxygen; if not breathing give artificial respiration. Get medical attention.

5. **FIRE AND EXPLOSION DATA**

FLASH POINT .......................... Not Applicable
EXTINGUISHING MEDIA .......... CO2 Dry Chemical Foam Water Fog
SPECIAL FIRE FIGHTING PROCEDURES/UNUSUAL FIRE OR EXPLOSION HAZARDS:

As in any fire, wear self-contained breathing apparatus and full protective equipment.

ADDITIONAL INFORMATION........ Avoid dusting conditions. May form explosive dust mixtures with air.

6. **SPILL OR LEAK PROCEDURES**

IN CASE MATERIAL IS RELEASED/SPILLED:

Wear appropriate safety equipment. Contain and clean up spill immediately. Prevent from entering floor drains.

Contain liquids using absorbants. Sweep powders carefully minimizing dusting. Shovel all spill materials into disposal drums and follow disposal instructions.

7. **SPECIAL PRECAUTIONS AND STORAGE DATA**

SAFE HANDLING: In accord with good industrial practice, handle with care and avoid personal contact.
8. EMPLOYEE PROTECTION RECOMMENDATIONS

GENERAL PROTECTIVE MEASURES:
Do not breathe dust. Avoid contact with eyes and skin. Immediately remove all contaminated clothing.

EYE PROTECTION .......... Wear safety glasses with side shields or safety goggles.

SKIN PROTECTION .......... Wear chemical resistant rubber gloves and long sleeved clothing.
RESPIRATORY PROTECTION ..........Inhalation of dust and aerosols must be absolutely prevented by the use of a NIOSH approved dust respirator.

VENTILATION ................. Use local ventilation.

OTHER .......................... Wear overalls, apron or other protective clothing.

9. PHYSICAL DATA

APPEARANCE .................... POWDER
COLOR ........................... BROWN
ODOR ............................ NONE
ODOR THRESHOLD ............ NA
SOLUBILITY IN WATER ........... ND
BULK DENSITY ................. ND
VISCOSITY ....................... NA
pH ................................... 7.5
MELTING POINT/FREEZING POINT .... NA
PARTITION COEFFICIENT: N-OCTANOL/WATER .......... ND
BOILING POINT ................. NA
VAPOR PRESSURE ............. NA
VAPOR DENSITY ............... NA
EVAPORATION RATE .......... NA
FLAMMABILITY ................. NA
FLASHPOINT .................... NA
IGNITION TEMP ................ NA
DECOMPOSITION TEMPERATURE .... ND
UEL .......................... NA
LEL .......................... NA
% VOLATILE:  VALUE: ND
UNIT: %
COMMENT:

10. REACTIVITY DATA

THERMAL DECOMPOSITION: No thermal decomposition when stored and handled correctly.
HAZARDOUS REACTIONS : None expected
CHEMICAL STABILITY .............. Stable
INCOMPATABLE MATERIALS: None
HAZARDOUS DECOMPOSITION PRODUCTS ...... CO2, CO, SULFUR OXIDES, NITROGEN OXIDES
CONDITIONS TO AVOID ............ Avoid dusting conditions and sparks/flame.
HAZARDOUS POLYMERIZATION .... Will not occur
11. TOXICOLOGICAL DATA

ANIMAL TOXICITY ORAL - LD50 (INGESTION) .......... > 5000 mg/kg (Rat)
FISH, LC50 ......................................................... 10- 100 mg/1 (48 h, Rainbow Trout)
EYE EFFECTS .................................................... NON-IRRITANT
SKIN EFFECTS ..................................................... NON-IRRITANT
SENSITIZATION .................................................... NOT EXPECTED

12. ECOLOGICAL DATA

BIODEGRADABILITY: 50-100%
BACTERIA TOXICITY EC50: ND
AOX CONTENT: ND
COD: 1800 mg/g

13. DISPOSAL CONSIDERATIONS

PRODUCT:............ If utilization or recycling of the product is not possible, it should be disposed of in accordance with existing federal, state and local environmental regulations, e.g. by incineration in a suitable plant.
UNCLEANED PACKAGING: Soiled, empty containers are to be treated in the same way as the contents.

14. SHIPPING DATA

PROPER SHIPPING NAME: NON-HAZARDOUS INK MATERIAL
D.O.T. HAZARD CLASSIFICATION: NOT REGULATED
FRIT. CLASS PACKAGE: 55
IATA: NON-REGULATED
IMDG: NON-REGULATED

15. REGULATORY DATA

US REGULATIONS:
TSCA: The components of this product are listed on the TSCA Inventory
SARA 313: This product is not subject to SARA Title III Section 313 reporting requirements under 40 CFR 372.
SARA312: Immediate (acute) health hazard YES
          Delayed (chronic) health hazard No
          Fire hazard No
          Sudden Release of Pressure No
          Reactivity No
This product is not subject to the German Ordinance that bans certain azo dyes or the 19th Amendment of the Council Directive 76/769/EEC.

CALIFORNIA PROPOSITION 65: This product does not contain any components currently on the California List of Known Carcinogens and reproductive Toxins

16. OTHER INFORMATION

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Created: February 9, 2010
Revised: May 6, 2015
SAFETY DATA SHEET

PRINT DATE: 5/6/15

1. PRODUCT IDENTIFICATION

PRODUCT NAME .................. JACQUARD ACID DYE GUN METAL
PRODUCT CODE NUMBER ..#637
CHEMICAL FAMILY .......... AZO
T.S.C.A. STATUS ................. COMPLIANCE
PRIMARY PRODUCT USE... TEXTILE MANUFACTURING
MANUFACTURED BY ......... RUPERT, GIBBON & SPIDER, INC.
1147 HEALDSBURG AVENUE
HEALDSBURG, CA 95448
PHONE: 800-442-0455
POISON CONTROL: 800-222-1222

2. HAZARDS IDENTIFICATION

**Warning:** Causes Serious Eye Irritation

This Product has been classified as a Category 2A eye irritant.

Harmful to aquatic life with long lasting effects. (Chronic Category 3)

PRIMARY ROUTE OF EXPOSURE

<table>
<thead>
<tr>
<th>INHALATION:</th>
<th>YES</th>
<th>SKIN ABSORPTION:</th>
<th>NO</th>
<th>INGESTION:</th>
<th>NO</th>
</tr>
</thead>
<tbody>
<tr>
<td>SKIN CONTACT:</td>
<td>YES</td>
<td>EYE CONTACT:</td>
<td>YES</td>
<td></td>
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</tr>
</tbody>
</table>

CARCINOGEN STATUS

<table>
<thead>
<tr>
<th>IARC:</th>
<th>NO</th>
<th>NTP:</th>
<th>NO</th>
<th>OSHA:</th>
<th>NO</th>
<th>ACGIH:</th>
<th>NO</th>
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</thead>
<tbody>
<tr>
<td>HMIS: 210</td>
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<td></td>
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</tr>
</tbody>
</table>

CHRONIC EFFECTS OF OVEREXPOSURE

None Known
SIGN AND SYMPTOMS OF OVEREXPOSURE
Based upon animal studies irritating to the eyes. May be irritating to the skin and respiratory tract.

MEDICAL CONDITIONS AGGRAVATED
Persons with any pre-existing skin, eye or respiratory condition may be more susceptible to the effects of this product.

3. HAZARDOUS INGREDIENTS

Acid Blue 113 (3351-05-1) > 50 % Eye Irritant-Toxic to Aquatic Organisms

The exact ingredient percentages and composition has been withheld as a trade secret.

4. EMERGENCY AND FIRST AID PROCEDURES

GENERAL INFORMATION: IMMEDIATELY REMOVE ALL CONTAMINATED CLOTHING

EYE CONTACT .......... Wash immediately with large amounts of water for 15 minutes, lifting the upper and lower lids until no evidence of product remain. Get medical attention immediately. Do not wear contact lenses while handling.

SKIN CONTACT .......... Remove all contaminated clothing immediately. Wash immediately with soap and plenty of water. If a temporary skin reaction occurs, it should be treated as allergic contact dermatitis. Launder contaminated clothing before reuse.

INGESTION .................. Dilute with water. Get medical attention. Never give fluids or induce vomiting if patient is unconscious or has convulsions.

INHALATION .................. If inhaled, remove to fresh air. If not breathing, give artificial respiration, preferably mouth to mouth. If breathing is difficult, give oxygen. Call a physician.

5. FIRE AND EXPLOSION DATA

FLASH POINT ...................... N.A
EXTINGUISHING MEDIA .............. Dry Chemical Foam Water Fog

SPECIAL FIRE FIGHTING PROCEDURES/UNUSUAL FIRE OR EXPLOSION HAZARDS:
Firefighters should be equipped with protective clothing & self-contained breathing apparatus to protect against potentially toxic & irritating fumes. In case of fire or explosion, keep unnecessary people away. Isolate hazard area & any entry. Stay upwind, out of low areas, and ventilate closed spaces before entering.

ADDITIONAL INFORMATION........ Avoid dusting conditions. May form explosive dust mixtures with air.

6. SPILL OR LEAK PROCEDURES

IN CASE MATERIAL IS RELEASED/SPILLED:
Avoid formation and deposition of dust. Do not empty into drains or waters. Do not touch or walk through the spilled material: stop leak if you can do it without risk. Take up with sand or other non-combustible absorbent material or suitable vacuum and place into labeled sealable containers. For further disposal measures see section 13.

7. SPECIAL PRECAUTIONS AND STORAGE DATA

SAFE HANDLING: In accord with good industrial practice. Handle with care and avoid personal contact.
8. EMPLOYEE PROTECTION RECOMMENDATIONS

GENERAL PROTECTIVE MEASURES:
Do not breathe dust. Avoid contact with eyes and skin. Immediately remove all contaminated clothing.

EYE PROTECTION .......... Employees should wear protective eye-goggles with side protection shield.

SKIN PROTECTION ........ Employees should avoid skin contact by wearing protective clothing. Long sleeve shirts, pants, gloves e.g. of PVC or nitrile rubber, and boots are recommended. Additional protections such as impervious suits are recommended when the potential for dermal contact is significant. Employees should wash their hands and face before eating and drinking and shower thoroughly before leaving work. Keep away from food and drink stuffs.

RESPIRATORY PROTECTION ..........Inhalation of dust and aerosols must be absolutely prevented by the use of a NIOSH approved dust respirator.

VENTILATION ................. Use local ventilation.

OTHER .......................... Wear overalls, apron or other protective clothing.

9. PHYSICAL DATA

APPEARANCE .................. POWDER
COLOR .......................... DARK BLUE
ODOR ............................ ODORLESS
ODOR THRESHOLD ............ NA
SOLUBILITY IN WATER ...... 40 g/1 @ 90 C
BULK DENSITY ................. 400 - 600 kg/m3
VISOSITY ...................... NA
pH ............................... 6.0 - 7.0
MELTING POINT/FREEZING POINT NA
PARTITION COEFFICIENT: N-OCTANOL/WATER....... ND
BOILING POINT ............... NA
VAPOR PRESSURE ............. NA
VAPOR DENSITY .............. NA
EVAPORATION RATE .......... NA
FLAMMABILITY .............. NA
FLASH POINT .................. NA
INGINITION TEMP .......... NA
DECOMPOSITION TEMPERATURE... ND
UEL ............................ NA
LEL ............................. NA
% VOLATILE: VALUE: NONE UNIT: % COMMENT:
10. REACTIVITY DATA

THERMAL DECOMPOSITION: No thermal decomposition when stored and handled correctly.
HAZARDOUS REACTIONS: None expected
CHEMICAL STABILITY: Stable
INCOMPATABLE MATERIALS: None
HAZARDOUS DECOMPOSITION PRODUCTS: CO₂, CO, SULFUR OXIDES, NITROGEN OXIDES
CONDITIONS TO AVOID: In the case of dusty organic products the possibility of a dust explosion should always be considered. Avoid dusting conditions and sparks/fire.
HAZARDOUS POLYMERIZATION: Will not occur

11. TOXICOLOGICAL DATA

ANIMAL TOXICITY ORAL - LD₅₀ (INGESTION) > 5000 mg/kg (RATS)
FISH, LC₅₀: 10-100 mg/l (48 hr)
EYE EFFECTS: IRRITANT (RABBIT EYE)
SKIN EFFECTS: NONE-IRRITANT (RABBIT)
SENSITIZATION: NOT EXPECTED

12. ECOLOGICAL DATA

BIODEGRADABILITY: <10%
BACTERIA TOXICITY: IC₅₀ > 100 mg/l (activated sludge)
AOX: 0.00
COD: 1285 mg/g

13. DISPOSAL CONSIDERATIONS

PRODUCT: If utilization or recycling of the product is not possible, it should be disposed of in accordance with existing federal, state and local environmental regulations, e.g. by incineration in a suitable plant.
UNCLEANED PACKAGING: Soiled, empty containers are to be treated in the same way as the contents.

14. SHIPPING DATA

PROPER SHIPPING NAME: NON-HAZARDOUS INK MATERIAL
D.O.T. HAZARD CLASSIFICATION: NOT REGULATED
FRT. CLASS PACKAGE: 55
IATA: NON-REGULATED
IMDG: NON-REGULATED

15. REGULATORY DATA

US REGULATIONS:

TSCA: The components of this product are listed on the TSCA Inventory
SARA 313: This product is not subject to SARA Title III Section 313 reporting requirements under 40 CFR 372.

SARA312:  Immediate (acute) health hazard  Yes
          Delayed (chronic) health hazard  No
          Fire hazard  No
          Sudden Release of Pressure  No
          Reactivity  No

OTHER REGULATIONS: Label in accordance with the EEC directives:
HAZARD SYMBOLS:  Xi  Irritant,  N  Dangerous for the environment
R 36:  Irritating to eyes
R51/53:  Toxic to aquatic organisms, may cause long-term effects in the aquatic environment
S22:  Do not breathe dust.
S26:  In case of contact with eyes, rinse immediately with plenty of water and seek medical advice
S39:  Wear eye/face protection
S61:  Avoid release to the environment.

This product is not subject to the German Ordinance that bans certain azo dyes or the 19th Amendment of the Council Directive 76/769/EEC.

CALIFORNIA PROPOSITION 65: This product does not contain any components currently on the California List of Known Carcinogens and reproductive Toxins

16. OTHER INFORMATION

Rupert, Gibbon & Spider, Inc. warrants that this product conforms to the chemical description on the label and is reasonably fit for the specific purposes referred to in its directions for use, subject to the inherent risks referred to in the material safety data sheet for this product. Rupert, Gibbon & Spider, Inc. makes no other expressed or implied warranty of fitness or merchantability or any other expressed or implied warranty. In no case shall Rupert, Gibbon & Spider, Inc. be liable for consequential, special, or indirect damages resulting from the use or handling of this product.

Prepared: September 28, 2009
Revised: May 6, 2015
SAFETY DATA SHEET

PRINT DATE: 5/6/15

1. PRODUCT IDENTIFICATION

PRODUCT NAME ................... JACQUARD ACID DYE SILVER GREY
PRODUCT CODE NUMBER ..  #638
CHEMICAL FAMILY .............ACID DYESTUFF MIXTURE
T.S.C.A. STATUS ...............COMPLIANCE
PRIMARY PRODUCT USE......TEXTILE MANUFACTURING
MANUFACTURED BY......... RUPERT, GIBBON & SPIDER, INC.
1147 HEALDSBURG AVENUE
HEALDSBURG, CA 95448
PHONE: 800-442-0455
POISON CONTROL: 800-222-1222

2. HAZARDS IDENTIFICATION

*Warning*: Causes Serious Eye Irritation and Skin Irritation.

This Product has been classified as a Category 2A eye irritant based upon animal test data.

*Warning*: May cause an allergic skin reaction.

Harmful to aquatic life with long lasting effects. (Chronic Category 3)

PRIMARY ROUTE OF EXPOSURE

INHALATION:  YES  SKIN ABSORPTION:  NO  INGESTION:  NO
SKIN CONTACT:  YES  EYE CONTACT:  YES

CARCINOGEN STATUS

IARC:  NO  NTP:  NO  OSHA:  NO
HMIS:  1  1  0  E

CRONIC EFFECTS OF OVEREXPOSURE

None known
SIGN AND SYMPTOMS OF OVEREXPOSURE
May be irritating to the eyes, skin, and respiratory tract.

MEDICAL CONDITIONS AGGRAVATED
Persons with any pre-existing skin or eye conditions may be more susceptible to the effects of this product.

3. HAZARDOUS INGREDIENTS:
ACID BLACK 172  ( 57693-14-8)  90%  Irritant. Animal sensitizer.
SODIUM SULFATE  ( 7757-82-6 )  10%

4. EMERGENCY AND FIRST AID PROCEDURES
GENERAL INFORMATION: IMMEDIATELY REMOVE ALL CONTAMINATED CLOTHING
EYE CONTACT ............. Wash immediately with large amounts of water for 15 minutes, lifting the upper and lower lids until no evidence of product remain. Get medical attention immediately. Do not wear contact lenses while handling.
SKIN CONTACT .......... Remove all contaminated clothing immediately. Wash immediately with soap and plenty of water. If a temporary skin reaction occurs, it should be treated as allergic contact dermatitis. Launder contaminated clothing before reuse.
INGESTION ................... Dilute with water. Get medical attention. Never give fluids or induce vomiting if patient is unconscious or has convulsions.
INHALATION............. If inhaled, remove to fresh air. If not breathing, give artificial respiration, preferably mouth to mouth. If breathing is difficult, give oxygen. Call a physician.

5. FIRE AND EXPLOSION DATA
FLASH POINT .......................... Not Applicable
EXTINGUISHING MEDIA ..........C02, Dry Chemical, Foam, Water
HAZARDOUS DECOMPOSITION PRODUCTS......C02, CO, SULFUR OXIDES, NITROGEN OXIDES
SPECIAL FIRE FIGHTING PROCEDURES/UNUSUAL FIRE OR EXPLOSION HAZARDS:
Firefighters should be equipped with protective clothing & self-contained breathing apparatus to protect against potentially toxic & irritating fumes. In case of fire or explosion, keep unnecessary people away. Isolate hazard area & any entry. Stay upwind, out of low areas, and ventilate closed spaces before entering.

6. SPILL OR LEAK PROCEDURES
IN CASE MATERIAL IS RELEASED/SPILLED:
Clean up spill immediately. Do not empty into drains or waters. Do not touch or walk through the spilled material: stop leak if you can do it without risk. Take up with sand or other non-combustible absorbent material or suitable vacuum and place into labeled sealable containers. Wear PPEs during clean-up. For further disposal measures see section 13.
7. SPECIAL PRECAUTIONS AND STORAGE DATA

SAFE HANDLING: In accord with good industrial practice. Handle with care and avoid personal contact.

8. EMPLOYEE PROTECTION RECOMMENDATIONS

GENERAL PROTECTIVE MEASURES: Avoid contact with eyes and skin. Immediately remove all contaminated clothing.

EYE PROTECTION ......... Employees should wear protective eye-goggles with side protection shield.

SKIN PROTECTION ....... Employees should avoid skin contact by wearing protective clothing. Long sleeve shirts, pants, gloves e.g. of PVC or nitrile rubber, and boots are recommended. Additional protections such as impervious suits are recommended when the potential for dermal contact is significant. Employees should wash their hands and face before eating and drinking and shower thoroughly before leaving work. Keep away from food and drink stuffs.

RESPIRATORY PROTECTION .......... Inhalation of dust and aerosols must be absolutely prevented by the use of a NIOSH approved dust respirator.

VENTILATION ................. Use local ventilation.

OTHER .............................. Wear overalls, apron or other protective clothing.

9. PHYSICAL DATA

APPEARANCE ............... POWDER
COLOR ............................... BLACK
ODOR ................................. NONE
ODOR THRESHOLD ........ NA
SOLUBILITY IN WATER ...... 75 g/1 at 25 deg C
BULK DENSITY .............. 300-450 kg/m3
VISCOSITY ........................ NA

pH ........................... 4.5 - 5.5 @ 100.0 g/l
MELTING POINT/FREEZING POINT...... NA
PARTITION COEFFICIENT: N-OCTANOL!WATER........ ND
BOILING POINT .............. NA

VAPOUR PRESSURE ........ NA
VAPOUR DENSITY ........ NA
EVAPORATION RATE .......... NA
FLAMMABILITY ............. NA
FLASH POINT ................. NA
INGINITION TEMP ............ NA
DECOMPOSITION TEMPERATURE .... ND
UEL ............................... NA
LEL ............................... NA

%VOLATILE: VALUE: ND  UNIT: %  COMMENT:
10. REACTIVITY DATA

THERMAL DECOMPOSITION: No thermal decomposition when stored and handled correctly.
HAZARDOUS REACTIONS : None expected
CHEMICAL STABILITY..............................Stable
INCOMPATABLE MATERIALS: None
HAZARDOUS DECOMPOSITION PRODUCTS......C02, CO, SULFUR OxIDES, NITROGEN OxIDES
CONDITIONS TO AVOID............Avoid dusting conditions and sparks/flame.
HAZARDOUS POLYMERIZATION....Will not occur

11. TOXICOLOGICAL DATA

ANIMAL TOXICITY ORAL- LD50 (INGESTION) ....... >5000 mg/l (rats)
EYE EFFECTS .................................................................IRRITANT (RABBIT EYE)
SKIN EFFECTS ............................................................ NON-IRRITANT (RABBIT)
SENSITIZATION .............................................................SENSITIZER (GUINEA PIG)

12. ECOLOGICAL DATA

FISH, LC50.................................................................10 -100 mg/l (48 hour, Leuciscus idus)
COD.................................................................ND
BIODEGRADABILITY: ..........................................< 10%
BACTERIA TOXICITY: IC50 ........................................ND
AOX.................................................................0.0000%

13. DISPOSAL CONSIDERATIONS

PRODUCT......... If utilization or recycling of the product is not possible, it should be disposed of in accordance with existing federal, state and local environmental regulations, e.g. by incineration in a suitable plant.
UNCLEANED PACKAGING: Soiled, empty containers are to be treated in the same way as the contents.
RCRA HAZARDOUS WASTE. ......When discarded in its present form, this product meets the criteria of EP toxicity, and should be managed as a hazardous waste. (40 CR 261.20-24) (Contains Chromium)

14. SHIPPING DATA

PROPER SHIPPING NAME: NON-HAZARDOUS INK MATERIAL
D.O.T. HAZARD CLASSIFICATION: NOT REGULATED
FRT. CLASS PACKAGE: 55

IATA (C,P): NON-HAZARDOUS
IMDG: NON-HAZARDOUS
15. REGULATORY DATA

US REGULATIONS:
TSCA: The components of this product are listed on the TSCA Inventory
SARA 313: This product is subject to SARA Title III Section 313 reporting requirements under 40 CFR 372.

<table>
<thead>
<tr>
<th>CHROMIUM COMPOUND</th>
<th>90 %</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHROMIUM CAS# 7440-47-3</td>
<td>4.9 %</td>
</tr>
</tbody>
</table>

SARA 312:
- Immediate (acute) health hazard: Yes
- Delayed (chronic) health hazard: No
- Fire hazard: No
- Sudden Release of Pressure: No
- Reactivity: No

CALIFORNIA PROPOSITION 65: This product does not contain any components currently on the California List of Known Carcinogens and reproductive Toxins.

This product is not subject to the German Ordinance that bans certain azo dyes or the 19th Amendment of the Council Directive 76/769/EEC.

OTHER REGULATIONS: Label in accordance with the EEC directives:
HAZARD SYMBOLS: Xi Irritant
R 36: Irritating to eyes
S22: Do not breathe dust.
S26: In case of contact with eyes, rinse immediately with plenty water and seek medical advice.
S39: Wear eye/face protection.

16. OTHER INFORMATION

Rupert, Gibbon & Spider, Inc. warrants that this product conforms to the chemical description on the label and is reasonably fit for the specific purposes referred to in its directions for use, subject to the inherent risks referred to in the material safety data sheet for this product. Rupert, Gibbon & Spider, Inc. makes no other expressed or implied warranty of fitness or merchantability or any other expressed or implied warranty. In no case shall Rupert, Gibbon & Spider, Inc. be liable for consequential, special, or indirect damages resulting from the use or handling of this product.

Creation: October 14, 2009
Revised: May 6, 2015
1. PRODUCT IDENTIFICATION

PRODUCT NAME ................... JACQUARD ACID DYE JET BLACK
PRODUCT CODE NUMBER .. #639
CHEMICAL FAMILY .......... PROPRIETARY MIX
T.S.C.A. STATUS ............. COMPLIANCE
PRIMARY PRODUCT USE ....... TEXTILE MANUFACTURING
MANUFACTURED BY .......... RUPERT, GIBBON & SPIDER, INC.
1147 HEALDSBURG AVENUE
HEALDSBURG, CA 95448
PHONE: 800-442-0455
POISON CONTROL: 800-222-1222

2. HAZARDS IDENTIFICATION

Warning: Causes Serious Eye Irritation

This Product has been classified as a Category 2A eye irritant.

Harmful to aquatic life with long lasting effects. (Chronic Category 3)

PRIMARY ROUTE OF EXPOSURE

INHALATION: YES SKIN ABSORPTION: NO INGESTION: NO
SKIN CONTACT: YES EYE CONTACT: YES

Carcinogen Status

IARC: NO NTP: NO OSHA: NO ACGIH: NO

HMIS: 1 1 0 F

EFFECTS OF OVEREXPOSURE
None Known

SIGNS AND SYMPTOMS OF OVEREXPOSURE
May be irritating to the skin, eyes, and respiratory tract.
MEDICAL CONDITIONS AGGRAVATED
Persons with any pre-existing skin, eye or respiratory condition may be more susceptible to the effects of this product.

3. HAZARDOUS INGREDIENTS

Acid Blue 113 (3351-05-1) 35 - 45 % Eye irritant, aquatic toxicity
Acid Orange 116 (68039-08-7) 25 - 35 % Aquatic toxicity

The exact ingredient percentages and composition has been withheld as a trade secret.

4. EMERGENCY AND FIRST AID PROCEDURES

GENERAL INFORMATION: IMMEDIATELY REMOVE ALL CONTAMINATED CLOTHING

EYE CONTACT ............ Wash immediately with large amounts of water for 15 minutes, lifting the upper and lower lids until no evidence of product remain. Get medical attention immediately. Do not wear contact lenses while handling.

SKIN CONTACT ........... Remove all contaminated clothing immediately. Wash immediately with soap and plenty of water. If a temporary skin reaction occurs, it should be treated as allergic contact dermatitis. Launder contaminated clothing before reuse.

INGESTION ................... Dilute with water. Get medical attention. Never give fluids or induce vomiting if patient is unconscious or has convulsions.

INHALATION ............... If inhaled, remove to fresh air. If not breathing, give artificial respiration, preferably mouth to mouth. If breathing is difficult, give oxygen. Call a physician.

5. FIRE AND EXPLOSION DATA

FLASH POINT ............................ SETAFLASH ASTM D-3828>205 DEGREES F.

EXTINGUISHING MEDIA .......... C02 Dry Chemical Foam Water Fog

SPECIAL FIRE FIGHTING PROCEDURES/UNUSUAL FIRE OR EXPLOSION HAZARDS:
Firefighters should be equipped with protective clothing & self contained breathing apparatus to protect against potentially toxic & irritating fumes. In case of fire or explosion, keep unnecessary people away. Isolate hazard area & any entry. Stay upwind, out of low areas, and ventilate closed spaces before entering.

ADDITIONAL INFORMATION ....... Avoid dusting conditions. May form explosive dust mixtures with air.

6. SPILL OR LEAK PROCEDURES

IN CASE MATERIAL IS RELEASED/SPILLED:
Avoid formation and deposition of dust. Do not empty into drains or waters. Do not touch or walk through the spilled material: stop leak if you can do it without risk. Take up with sand or other non-combustible absorbent material or suitable vacuum and place into labeled sealable containers. For further disposal measures see section 13.
7. **SPECIAL PRECAUTIONS AND STORAGE DATA**

SAFE HANDLING: In accord with good industrial practice. Handle with care and avoid personal contact.

8. **EMPLOYEE PROTECTION RECOMMENDATIONS**

GENERAL PROTECTIVE MEASURES:
Do not breathe dust. Avoid contact with eyes and skin. Immediately remove all contaminated clothing.

EYE PROTECTION ..........Employees should wear protective eye-goggles with side protection shield.
SKIN PROTECTION ..........Employees should avoid skin contact by wearing protective clothing. Long sleeve shirts, pants, gloves e.g. of PVC or nitrile rubber, and boots are recommended. Additional protections such as impervious suits are recommended when the potential for dermal contact is significant. Employees should wash their hands and face before eating and drinking and shower thoroughly before leaving work. Keep away from food and drink stuffs.

RESPIRATORY PROTECTION .................Inhalation of dust and aerosols must be absolutely prevented by the use of a NIOSH approved dust respirator.

VENTILATION .................Use local ventilation.

OTHER .................Wear overalls, apron or other protective clothing.

9. **PHYSICAL DATA**

**APPEARANCE** .................. POWDER
**COLOR** .............................. BLACK.
**ODOR** .............................. NONE
**ODOR THRESHOLD** ............. NA
**SOLUBILITY IN WATER** ........ 40 g/l at 90 deg C
**BULK DENSITY** .................. 400 - 600 kg/m³
**VISCOSITY** ...................... NA
**pH** ................................. 6.5-7.5 @ 10.0g/l 20°C
**MELTING POINT/FREEZING POINT** .... NA
**PARTITION COEFFICIENT:** N-OCTANOL/WATER ........ ND
**BOILING POINT** ............... NA
**VAPOR PRESSURE** ............... NA
**VAPOR DENSITY** ............... NA
**EVAPORATION RATE** .......... NA
**FLAMMABILITY** .................. NA
**FLASH POINT** .................... NA
**INGINATION TEMP** ............. NA
**DECOMPOSITION TEMPERATURE** ... ND
**UEL** ............................... NA
**LEL** ............................... NA
% VOLATILE: VALUE: 0.7 UNIT: % COMMENT: dedusting oil
10. REACTIVITY DATA

THERMAL DECOMPOSITION: No thermal decomposition when stored and handled correctly.
HAZARDOUS REACTIONS: None expected
CHEMICAL STABILITY: Stable
INCOMPATABLE MATERIALS: None
HAZARDOUS DECOMPOSITION PRODUCTS: CO2, CO, SULFUR OXIDES, NITROGEN OXIDES
CONDITIONS TO AVOID: Avoid dusting conditions and sparks/flame.
HAZARDOUS POLYMERIZATION: Will not occur

11. TOXICOLOGICAL DATA

ANIMAL TOXICITY ORAL- LD50 (INGESTION) > 5000 mg/kg (RAT)
FISH, LC50: 10 – 100 mg/l (48 hour Rainbow Trout)
EYE EFFECTS: IRRITANT (RABBIT)
SKIN EFFECTS: NON-IRRITANT (RABBIT)
SENSITIZATION: NOT EXPECTED

12. ECOLOGICAL DATA

BIODEGRADABILITY: 10 - 50%
BACTERIA TOXICITY EC50: > 100 mg/l Inhibition, activated sludge
AOX: 0.000%
COD: 1440 mg/g

13. DISPOSAL CONSIDERATIONS

PRODUCT: If utilization or recycling of the product is not possible, it should be disposed of in accordance with existing federal, state and local environmental regulations, e.g. by incineration in a suitable plant.
UNCLEANED PACKAGING: Soiled, empty containers are to be treated in the same way as the contents.

14. SHIPPING DATA

PROPER SHIPPING NAME: NON-HAZARDOUS INK MATERIAL
D.O.T. HAZARD CLASSIFICATION: NOT REGULATED
FRG. CLASS PACKAGE: 55
IATA: NON-REGULATED
IMDG: NON-REGULATED

15. REGULATORY DATA

US REGULATIONS:
TSCA: The components of this product are listed on the TSCA Inventory
SARA 313: This product is not subject to SARA Title III Section 313 reporting requirements under 40 CFR 372.
SARA 312:  
<table>
<thead>
<tr>
<th>Health Hazard</th>
<th>Yes/No</th>
</tr>
</thead>
<tbody>
<tr>
<td>Immediate (acute)</td>
<td>Yes</td>
</tr>
<tr>
<td>Delayed (chronic)</td>
<td>No</td>
</tr>
<tr>
<td>Fire hazard</td>
<td>No</td>
</tr>
<tr>
<td>Sudden Release of Pressure</td>
<td>No</td>
</tr>
<tr>
<td>Reactivity</td>
<td>No</td>
</tr>
</tbody>
</table>

A minor component (0.7%) of this dye can, by reductive cleavage of one or more azo groups, release one or more of the aromatic amines listed in the Point 21 of annex to the commission decision 2002/371/EC

4-Aminoazobenzene (60-09-3)

CALIFORNIA PROPOSITION 65: This product does not contain any components currently on the California List of Known Carcinogens and reproductive Toxins

16. OTHER INFORMATION

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MSDS Created: May 6, 2015
MSDS Revised: May 6, 2015