1. PRODUCT IDENTIFICATION

PRODUCT NAME .................. JACQUARD ACID DYE HOT FUCHSIA
PRODUCT CODE NUMBER .. #620
CHEMICAL FAMILY .......... XANTHENE
T.S.C.A. STATUS ................. CCOMPLIANCE
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: Suspected of causing genetic defects (ingestion)

This product contains a substance evaluated as a Category 2 Mutagen based upon in vitro animal studies.

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: 100E

CHRONIC EFFECTS OF OVEREXPOSURE

Contains Acid Red 052. Has been found to be mutagenic in hamster cell tests in vitro. The relevance to humans is 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 Red 52 (3520-42-1) > 30% in vitro mutagen in animal tests

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 ............................. RED
ODOR ........................ NA
ODOR THRESHOLD.............. NA
SOLUBILITY IN WATER ....... 10 g/1 at 30 deg C
BULK DENSITY .................. ND
VIScosity ....................... NA
pH ............................... 6.5-8.0 @ 1.0 g/1
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
INGITION 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/kg (RAT)
FISH, LC50 ................................................................. 450 mg/l (48 hour, Rainbow trout)
EYE EFFECTS ............................................................... NON-IRRITANT (RABBIT EYE)
SKIN EFFECTS ............................................................. NON-IRRITANT (RABBIT)
SENSITIZATION .......................................................... NOT A SENSITIZER (RIPT- HUMANS)

12. ECOLOGICAL DATA

BIODEGRADABILITY: < 10%
COD: 1389 mg/g
BACTERIA TOXICITY: > 300 mg/l (Inhibition Activited sludge bacteria)
AOX: 0.0%

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 (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 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: September 25, 2009
Revised: May 6, 2015
1. PRODUCT IDENTIFICATION

PRODUCT NAME ................... JACQUARD ACID DYES SKY BLUE
PRODUCT CODE NUMBER ..#621
CHEMICAL FAMILY ............. ANTHRAQUINONE
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: 110 E

CHRONIC EFFECTS OF OVEREXPOSURE

None 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 62 (4368-56-3) > 30% Harmful to aquatic life

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 ......................... NA

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-sleeved 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 ....................... NONE
ODOR THRESHOLD......... NA
SOLUBILITY IN WATER ...... 20 g/l
BULK DENSITY ............. 250 – 450 kg/m³
VIS COSITY ................. NA
pH .............................. 6.5 - 9.0 @ 100 g/l in water
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
INGITION 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..........In the case of dusty organic products the possibility of a dust explosion should always be considered. Avoid dusting conditions and sparks/flame.
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) (L. idus)
EYE EFFECTS ................................................................... NON-IRRITANT (RABBIT EYE)
SKIN EFFECTS ................................................................. NON-IRRITANT (RABBIT)
SENSITIZATION ............................................................... NOT EXPECTED

12. ECOLOGICAL DATA

BIODEGRADABILITY: <10%
BACTERIA TOXICITY: 500 mg/l (No inhibitory effects)

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(P,C): 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.

Prepared: September 28, 2009  
Revised: May 6, 2015
1. PRODUCT IDENTIFICATION

PRODUCT NAME .................. JACQUARD ACID DYE SAPPHIRE BLUE
PRODUCT CODE NUMBER ..#622
CHEMICAL FAMILY .............. ANTHRAQUINONE
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: May be harmful if swallowed
   This Product has been classified as Category 5 oral toxicity.

   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
   Not Known

SIGNS AND SYMPTOMS OF OVEREXPOSURE
   May be irritating to the eyes, skin, or 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 25 (6408-78-2) 47.4% Causes eye irritation. May be harmful if swallowed.

The exact ingredient percentages and composition of non-hazardous materials has 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 ....................... BLUE
ODOR .......................... NONE
ODOR THRESHOLD........ NA
SOLUBILITY IN WATER ...... 30 g/l at 20 deg C
BULK DENSITY ............. 400 - 600 kg/m3
VISCOSITY................ NA
pH .............................. 6.0 - 7.0 (10 g/L @ 20 deg C)
MELTING POINT/FREEZING POINT NA
PARTITION COEFFICIENT: N-OCTANOL/WATER ........ ND
BOILING POINT............... NA
VAPOR PRESSURE.......... NA
VAPOR DENSITY............ NA
EVAPORATION RATE........ NA
FLASH POINT............... NA
INFLAMMABILITY......... 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 In the case of dusty organic products the possibility of a dust explosion should always be considered.
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) ........ > 2000 mg/kg (Rat)
FISH, LC50 ............................................................................. >200 mg/l 48 hour (Poecilia reticulate p.)
EYE EFFECTS ........................................................................ SLIGHT IRRITANT (RABBIT)
SKIN EFFECTS ........................................................................ NON-IRRITANT (RABBIT)
SENSITIZATION ...................................................................... NOT EXPECTED

12. ECOLOGICAL DATA

BIODEGRADABILITY: < 10%
BACTERIA TOXICITY IC50: ND
AOX CONTENT: 0.0 %

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
Delay (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.

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 23, 2009
Revised: May 6, 2015
SAFETY DATA SHEET

PRINT DATE: 5/6/15

1. PRODUCT IDENTIFICATION

PRODUCT NAME ................... JACQUARD ACID DYES BRILLIANT BLUE
PRODUCT CODE NUMBER ..#623
CHEMICAL FAMILY ............. ANTHRAQUINONE
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: 110 E

CHRONIC EFFECTS OF OVEREXPOSURE

None 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 62 (4368-56-3) > 30% Harmful to aquatic life

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 ................................ NA
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 PROTECTION 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 .......................... NONE
ODOR THRESHOLD .......... NA
SOLUBILITY IN WATER ...... 20 g/1
BULK DENSITY .............. 250 – 450 kg/m³
VISCOSITY .................... NA
pH ............................. 6.5 – 9.0 @ 100 g/1 in water
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
FLASH POINT .................. NA
INGINITION TEMP ............ NA
DECOMPOSITION TEMPERATURE NA
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...........In the case of dusty organic products the possibility of a dust explosion should always be considered. Avoid dusting conditions and sparks/flame.
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) (L. idus)
EYE EFFECTS......................................... NON-IRRITANT (RABBIT EYE)
SKIN EFFECTS ......................................... NON-IRRITANT (RABBIT)
SENSITIZATION ........................................ NOT EXPECTED

12. ECOLOGICAL DATA

BIODEGRADABILITY: <10%
BACTERIA TOXICITY: 500 mg/l (No inhibitory effects)

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(P,C): 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.

Prepared: September 28, 2009
Revised: May 6, 2015
1. PRODUCT IDENTIFICATION

PRODUCT NAME .................. JACQUARD ACID DYE TURQUOISE
PRODUCT CODE NUMBER ..#624
CHEMICAL FAMILY ............. TRIPHENYLMETHANE
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 100E

CHRONIC EFFECTS OF OVEREXPOSURE
None 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 or eye conditions may be more susceptible to the effects of this product.
3. HAZARDOUS INGREDIENTS

Acid Blue 7 (3486-30-4) > 30% Harmful to aquatic life

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 ...................... NA
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 .......................... BLUISH RED
ODOR .......................... NONE
ODOR THRESHOLD ........ NA
SOLUBILITY IN WATER ....... 40 g/l @ 100°C
BULK DENSITY .................. ND
VISCOSITY ...................... NA
pH ................................ 7.0-7.5 @ 1.0% in water 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
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
INCOMPATIBLE 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/flame.
HAZARDOUS POLYMERIZATION .... Will not occur
11. TOXICOLOGICAL DATA

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

12. ECOLOGICAL DATA

BIODEGRADABILITY: 25-50%
BACTERIA TOXICITY: ND

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.
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.

Prepared: March 19, 2010
Revised: May 6, 2015
1. PRODUCT IDENTIFICATION

PRODUCT NAME ................... JACQUARD ACID DYE ROYAL BLUE
PRODUCT CODE NUMBER ..#625
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

This product does not contain any categorized hazards.

PRIMARY ROUTE OF EXPOSURE

<table>
<thead>
<tr>
<th></th>
<th>INHALATION</th>
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CARCINOGEN STATUS

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<td>ACGIH</td>
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HMIS: 1 10E

CHRONIC EFFECTS OF OVEREXPOSURE

Not Known

SIGNS AND SYMPTOMS OF OVEREXPOSURE

May be irritating to the eyes, skin, or 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

HAZARDOUS COMPONENTS: NONE

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 ............. 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 ............................... BLUE
ODOR ............................... NONE
ODOR THRESHOLD..........NA
SOLUBILITY IN WATER ...... 15-20 g/1 @ 80 C
BULK DENSITY ................. ND
VISCOITY .......................... NA
pH ..................................... 6.0-9.0 @ 20 g/1 in water 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: 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 .......... In the case of dusty organic products the possibility of a dust explosion should always be considered. 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 mg/1 96 hour (Leucisus idus)  
EYE EFFECTS ............................................................... NON-IRRITANT  
SKIN EFFECTS .............................................................. NON-IRRITANT  
SENSITIZATION ............................................................ NOT EXPECTED

12. **ECOLOGICAL DATA**

BIODEGRADABILITY: < 10%  
BACTERIA TOXICITY IC50: > 100 mg/1 (Inhibition of activated sludge)  
AOX CONTENT: 0.0 %

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. **SHIPPINGDATA**

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 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: September 24, 2009
Revised: May 6, 2015
1. PRODUCT IDENTIFICATION

PRODUCT NAME ................... JACQUARD ACID DYE NAVY BLUE
PRODUCT CODE NUMBER .. #626
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>TYPE</th>
<th>INHALATION</th>
<th>SKIN CONTACT</th>
<th>SKIN ABSORPTION</th>
<th>EYE CONTACT</th>
<th>INGESTION</th>
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<td></td>
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</tbody>
</table>

CARCINOGEN STATUS

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<th>NTP</th>
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<tbody>
<tr>
<td>NO</td>
<td>NO</td>
<td>NO</td>
<td>NO</td>
</tr>
</tbody>
</table>

HMIS: 210 E

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 .................................. NA
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 PROTECTION 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
VISCOSITY ..................... 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
INGNITION 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/flame.
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 ......................................................... IRITANT (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 KELLY GREEN
PRODUCT CODE NUMBER .. #627
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 .............. 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 .............................. 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 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
IGNITION 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. SIDPPING DATA

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>Hazard Type</th>
<th>Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>Immediate (acute) health hazard</td>
<td>Yes</td>
</tr>
<tr>
<td>Delayed (chronic) health hazard</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>

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 CHARTREUSE
PRODUCT CODE NUMBER ..#628
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 ...............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 PROTECTION 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
IGNITION 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. SIDPPING DATA

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: 
- Immediate (acute) health hazard: Yes
- Delayed (chronic) health hazard: No
- Fire hazard: Yes
- 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
SAFETY DATA SHEET
PRINT DATE: 5/6/15

1. PRODUCT IDENTIFICATION

PRODUCT NAME ................... JACQUARD ACID DYE EMERALD
PRODUCT CODE NUMBER ..#629
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 ............ 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 PROTECTION 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/l @ 100°C
BULK DENSITY ............. ND
VIScosity ......................... NA
pH ................................. 6–7 @ 10 g/l at 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
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/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. SIDPPING DATA

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>Hazard</th>
<th>Yes</th>
<th>No</th>
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</thead>
<tbody>
<tr>
<td>Immediate (acute) health hazard</td>
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<td>Delayed (chronic) health hazard</td>
<td>No</td>
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<tr>
<td>Fire hazard</td>
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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: October 5, 2009
Revised: May 6, 2015