SAFETY DATA SHEET
MX 804, MX 825, MX 8131, MX 8136, MX 8147, MX 8149 and MX 8150

SECTION 1
IDENTIFICATION OF SUBSTANCE/MIXTURE

Product Name: Red MX-8B
Supplier: PRO Chemical & Dye
126 Shove Street
Fall River, MA 02724
Phone: 508-676-3838
Fax: 508-676-3980

EMERGENCY CONTACT:
800-255-3924 ChemTel. (United States)
+1 01 813-248-0585 (Outside the United States)

Recommended Use of the Chemical and Restrictions on Use: For Industrial use only.

SECTION 2
HAZARDS IDENTIFICATION

GHS Pictogram(s)
![Warning]
Category I Sensitization, Skin
Category 3 Single Target Organ Toxicity - Single Exposure

Signal Word: WARNING
Hazard Statements: H317 May cause an allergic skin reaction.
H335 May cause respiratory irritation.

Precautionary Statements:
Prevention
Avoid breathing dust, fumes, gas, mist, vapors, spray. Contaminated work clothing should not be allowed out of the workplace. Wear protective gloves, protective clothing, eye protection, face protection. Use only outdoors or in a well-ventilated area.
Response
IF ON SKIN: Wash with plenty of soap and water. If skin irritation or rash occurs: Get medical attention. Wash contaminated clothing before reuse.
IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER or doctor if you feel unwell.
Storage
Keep in a well-ventilated place. Keep container tightly closed. Store locked up.
Disposal
Dispose of contents and container in accordance with local, state and federal regulations.

Other Hazards Which do Contact with the eye and skin may cause irritation. Ingestion may cause gastric not Result in Classification disturbances. In the case of dusty organic products the possibility of dust explosion should always be considered.

SECTION 3
COMPOSITION/INFORMATION ON INGREDIENTS

Component(s)
Red MX-8B

<table>
<thead>
<tr>
<th>Component</th>
<th>CAS</th>
<th>%:</th>
<th>Proprietary</th>
</tr>
</thead>
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<td>Red MX-8B</td>
<td></td>
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</tr>
</tbody>
</table>

The chemical identity of some or all components present is confidential business information (Trade Secret) and is being withheld as permitted by 29CFR1919.1200 (i)
SAFETY DATA SHEET

SECTION 4

Inhalation: Remove person to fresh air immediately while getting immediate medical attention. Use a bag valve mask or similar device to perform artificial respiration (rescue breathing) if needed.

Skin: Immediately wash skin with soap and plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Seek immediate medical attention.

Ingestion: Never give anything by mouth or induce vomiting to an unconscious or convulsing person. Have victim drink plenty of water for dilution effect. Do NOT induce vomiting without medical advice. Seek immediate medical attention.

Eye: Flush eyes with large amounts of water, occasionally lifting upper and lower lids, until no evidence of chemical remains at least 15 - 20 minutes. Get immediate medical attention.

Most Important Symptoms and Effects Both Acute and Delayed:

Indication of any Immediate Medical Attention and Special Treatment Needed:

People with chronic respiratory problems should not work with reactive dyestuff powders. If symptoms such as tightness in the chest or asthma occur while handling reactive dyestuff powders, a physician should be consulted as soon as possible. If hypersensitivity is confirmed, all contact with reactive dyestuff powders should cease immediately.

SECTION 5

Extinguishing Media:

Water spray, alcohol resistant foam or dry chemical.

CO₂ and high volume water jet as this may scatter and spread fire.

Unsuitable Extinguishing Media:

Special Protective Equipment and Precautions for Firefighters:

Firefighters should wear self-contained breathing apparatus and full protective clothing.

Use water spray to cool fire exposed containers. Move containers from fire area if you can do so without risk. Avoid inhalation of material or combustion by products. Stay upwind stay out of low areas.

Special Treatment Needed:

Like most materials in powder form, powder may be capable of creating dust explosions. Observe the usual precautionary measures required for chemicals with dust explosive properties. Decomposition can produce toxic and irritating fumes and gases of CO₂, NOₓ, and SOₓ.

SECTION 6

Personal Precautions, Protective Equipment and Emergency Procedures:

Keep unnecessary and unprotected people away from area of spill. Cleanup personnel should wear appropriate protective clothing and equipment. Ensure proper ventilation spill site. Avoid formation and deposition of dust. Avoid inhalation of dust, vapors, mist and gas.

Environmental Precautions:

Do not let spilled material enter floor drains, sewers or water sources or the environment.
Ensure proper ventilation. Collect spilled material, avoid generation and deposition of dust, and place in an appropriate waste disposal container. After clean-up is complete wash spill site. Do not allow material to enter floor drains, sewers or water sources of any kind.

SECTION 7

Precautions for Safe Handling:

Conditions for Safe Storage Including Incompatibilities:

SECTION 8

EXPOSURE CONTROLS PERSONAL PROTECTION

Exposure Limits:

In accordance with good industrial hygiene and safety practices. OSHA PEL Nuisance dust, Total dusts 15 mg/m3. ACGIH TLV: Particles not otherwise classified 10 mg/m3

Ventilation:

Ensure proper ventilation, local exhaust recommended. Ventilation equipment should be explosion proof.

Eye Protection:

Chemical safety goggles with side shields or tight fitting goggles.

Respiration:

If airborne concentrations pose a health hazard, become irritating, or exceed recommended limits, use a NIOSH approved respirator in accordance with OSHA respiratory protection requirements under 29CFR1910.134.

Clothing:

Appropriate protective clothing, gloves, lab coat, apron or coveralls to prevent any contact.

NOTE: Eyewash fountain and quick drench shower should be available in the immediate work area.

SECTION 9

PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Red Powder
Odor / Odor threshold: Slight odor.

pH: Not available.

Evaporation Rate: Not available.

Boiling Point/Range: Not available.

Melting / Freezing Point: Not available.

Vapor Pressure: Not available.

Relative Density: Not available.

Vapor Density: Not available.

Partition Coefficient Not available.

n-octanol / water:

Solubility(ies): Water - Soluble.

Flammability(solid, gas): Not available.

Flash Point: Not available.

UEL: Not available. LEL: Not available.
SAFETY DATA SHEET

Autoignition Temperature: Not available.
Decomposition Temperature: Not available.
Viscosity: Not available.

SECTION 10

Reactivity: Will not polymerize.
Chemical Stability: Stable under proper conditions of storage and use.
Possibility of Hazardous Reactions: In the case of dusty organic products the possibility of dust explosion should always be considered.
Hazardous Decomposition Products: May include but are not limited to oxides of carbon, nitrogen and sulfur.
Incompatible Materials: Keep away from oxidizing and reducing agents.
Conditions to Avoid: Avoid humidity, and excessive temperatures. Avoid generation and deposition of dust.

SECTION 11

Likely Routes of Exposure: Inhalation: Yes  Skin Absorption: No  Ingestion: No  Skin: Yes  Eye: Yes
Toxicity: Not available.
Acute and Chronic: Acute: Contact with the eyes and skin may result in irritation. Inhalation may result in respiratory irritation. Ingestion may cause gastric disturbances. Chronic: To the best of our knowledge there are no known chronic effects associated with this material.
Symptoms of Overexposure: Skin sensitization may include one or more of the following: redness, swelling, itching, rash and hives. Respiratory sensitization can range from runny nose, cough and irritated eyes to asthmatic symptoms. Individuals who have shown an allergic reaction to this product must not continue to be exposed. Physiologic effects may progress to shock, cardiovascular collapse and death.
Sensitization: Repeated exposure to high dust concentration of some reactive dyestuffs may cause respiratory hypersensitivity.

Single Target Organ Toxicity - Single Exposure - Respiratory System
Single Target Organ Toxicity - Repeated Exposure - Not known.

Delayed and Immediate Effects and also Chronic Effects from Short and Long Term Exposure: Although respiratory sensitization has not been observed with this product, dyestuffs are known to have caused this in certain people. Similar analogues of the reduction product, 2-nitro-para phenylenediamine, may have potential concerns for carcinogenicity, mutagenicity, blood toxicity, developmental toxicity and neurotoxicity. In addition, there are potential concerns for carcinogenicity, mutagenicity, developmental toxicity and sensitization form the vinyl sulfone that is formed in the dye bath. NTOSH approved respirators should be used by workers who may be exposed to dust or aerosols containing reactive dyes.

Carcinogen Status: IARC: No  NTP: No  OSHA: No
NOTE: Persons with any pre-existing skin, eye or respiratory conditions may be more susceptible to the effects of this product.
SECTION 12  
ECOLOGICAL INFORMATION

Eco-toxicity: Not available.
Persistence and Degradability: Not available.
Soil Mobility: Not available.
Bio-Accumulative Potential: Not available.
Other Adverse Effects: Not available.

SECTION 13  
DISPOSAL CONSIDERATIONS

Disposal: Dispose of contents and container in accordance with local, regional, national, and international regulations.

Un-Cleaned Packaging: Soiled empty containers are to be treated in the same way as the contents.

SECTION 14  
TRANSPORTATION INFORMATION

Marine Pollutant: No
I.M.D.G.: Not Regulated.

SECTION 15  
REGULATORY INFORMATION

SARA 31/312: Acute Health Hazard

SECTION 16  
OTHER INFORMATION

Date Prepared: December 6, 2017 GHS Formatting

While the data and information obtained herein are presented in good faith and believed to be accurate. It is provided for your guidance only and it is the user's obligation to determine the conditions of safe use of the product. Because many factors may affect processing or application/use, we recommend that you make tests to determine the suitability of a product for your particular purpose prior to use. No warranties of any kind, either expressed or implied, including warranties of merchantability or fitness for a particular purpose, are made regarding products described or information set forth, or that the products or information may be used without infringing the intellectual property rights of others. In no case shall the information or data provided be considered a part of our terms and conditions of sales. Further: you expressly understand and agree that the data and information furnished by this company hereunder are given gratis and this company assumes no obligation or liability for the data and information given or results obtained all such being given and accepted at your risk. END OF SAFETY DATA SHEET
SAFETY DATA SHEET

MX800, MX810, MX820, MX8133, MX8146, MX8153, and MX8199

Emergency Telephone Numbers:
800-255-3924 ChemTel. (United States)
+ 1 01 813-248-0585 (Outside the United States)

Issue Date: 9/23/2013

1. PRODUCT IDENTIFICATION

Trade Name: Blue MX-R
Chemical name: Azo Dichloratriazine Dye
Synonyms: Reactive Blue Dye

2. HAZARDOUS INGREDIENTS

Material: OSHA 29 2910.1200 HAZARDOUS COMMUNICATION STANDARD.
WARNING! MAY FORM COMBUSTIBLE DUST CONCENTRATIONS IN AIR.
Warning.: OVEREXPOSURE TO THIS PRODUCT MAY CAUSE SLIGHT IRRITATION OF EYES AND SKIN.

3. PHYSICAL DATA

Appearance: BLUE POWDER
Odor: SLIGHTLY AROMATIC
Solubility in Water: 80 G/L

4. FIRE AND EXPLOSION HAZARD DATA

Flash Point and Method: N.A.
Flammable Limits: LEL: N.A. UEL: N.A.
Extinguishing Media: WATER SPRAY, DRY CHEMICALS, FOAM OR CARBON DIOXIDE

Special Fire Fighting Procedures: FIREFIGHTERS SHOULD WEAR FULL-FACE, SELF-CONTAINED BREATHING APPARATUS AND IMPERVIOUS PROTECTIVE CLOTHING.
Unusual Fire and Explosion Hazards: NONE EXPECTED, BUT AVOID THE BUILD UP OF DYE DUST CLOUDS WHICH COULD BE EXPLOSIVE, AS OTHER ORGANIC POWDERS ARE.
NEPA Fire Hazards Code

<table>
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<tr>
<th>Health:</th>
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<th>Minimal:</th>
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<tbody>
<tr>
<td>Fire:</td>
<td>1</td>
<td>Slight:</td>
<td>1</td>
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<tr>
<td>Reactivity:</td>
<td>0</td>
<td>Moderate:</td>
<td>2</td>
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<tr>
<td>Specific:</td>
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<td>Serious:</td>
<td>3</td>
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<tr>
<td></td>
<td></td>
<td>Severe:</td>
<td>4</td>
</tr>
</tbody>
</table>

5. HEALTH HAZARD DATA

LD50 Oral(Ingestion): >5,000 MG/KG (RAT)
LD50 Der~al (Skin Contact): N.E.
LCSO (Inhalation): N.E.
Primary Route of Exposure: N.E.
Threshold Limit Value: N.E.

Effects of Overexposure
Acute: SLIGHT IRRITATION OF EYES AND/OR SKIN.

Chronic: NO CHRONIC ILL EFFECTS KNOWN.

6. EMERGENCY AND FIRST AID PROCEDURES

Eyes: IMMEDIATE AND CONTINUOUS IRRIGATION WITH FLOWING WATER FOR AT LEAST FIFTEEN MINUTES. CONSULT PHYSICIAN IF IRRITATION OCCURS.

Skin: IMMEDIATELY FLUSH SKIN WITH PLENTY OF WATER. WASH WELL WITH SOAP AND WATER. LAUNDER CONTAMINATED CLOTHING BEFORE REUSE.

Ingestion: IF CONSCIOUS, GIVE TWO GLASSES OF WATER TO DILUTE. INDUCE VOMITING ONLY IF ADVISED BY POISON CONTROL CENTER.

Inhalation: REMOVE TO FRESH AIR. IF EFFECTS OCCUR, CONSULT PHYSICIAN.

7. PHYSICAL HAZARDS

Precautions: MAINTAIN GOOD HOUSEKEEPING TO AVOID DUST BUILD UP. AVOID INGESTION, EYE AND SKIN CONTACT. MINIMIZE INHALATION EXPOSURE BY USING DUST RESPIRATOR. WASH HANDS AFTER WEIGHING DYE TO AVOID CONTACT OF THE SKIN OR EYES WITH CONTAMINATED HANDS. A SENSITIZED INDIVIDUAL SHOULD NOT BE EXPOSED TO THE PRODUCT WHICH CAUSED THE SENSITIZATION.

8. SPECIAL PROTECTION INFORMATION

Ventilation: USE LOCAL EXHAUST VENTILATION TO MINIMIZE EXPOSURE.

Respiratory: A NIOSH/MSHA APPROVED DUST RESPIRATOR SHOULD BE WORN.

Eye Protection: WEAR SIDE-SHIELD SAFETY GLASSES OR CHEMICAL SAFETY GOGGLES.
Protective Gloves: WEAR IMPERVIOUS GLOVES AS A STANDARD HANDLING PROCEDURE.

Other: DELUGE SAFETY SHOWER, EYE WASH STATION, PROTECTIVE CLOTHING.

All chemicals should be handled so as to prevent eye contact and excessive or repeated skin contact. Appropriate eye and skin protection should be employed. Inhalation of dusts and vapors should be avoided.

9. CHEMICAL REACTIVITY

Stability: STABLE UNDER NORMAL STORAGE CONDITIONS.

Incompatability (Materials to Avoid): OXIDIZING AND REDUCING AGENTS.

Hazardous Decomposition Products: BURNING WILL PRODUCE OXIDES OF CARBON, NITROGEN AND SULFUR.

Hazardous Polymerization: WILL NOT OCCUR UNDER NORMAL CONDITIONS.

10. STORAGE INFORMATION

Precautions To Be Taken In Handling And Storing: AVOID BREATHING DUST. AVOID CONTACT WITH EYES AND SKIN. WASH THOROUGHLY AFTER HANDLING. STORE IN A DRY PLACE AWAY FROM EXCESSIVE HEAT, IN ORIGINAL OR SIMILAR WATERPROOF CONTAINERS. RESEAL CONTAINERS IMMEDIATELY AFTER USE.

11. SPILL, LEAK AND DISPOSAL INFORMATION

Accidental Release Measures: UTILIZE RECOMMENDED PROTECTIVE CLOTHING AND RESPIRATORY PROTECTION. MIX MATERIAL WITH SWEEPING COMPOUND TO MINIMIZE DUSTING WHILE SWEEPING UP AND CONTAINING. VACUUM CONTAMINATED AREA.

Disposal Considerations: DISPOSE OF IN ACCORDANCE WITH LOCAL, STATE AND FEDERAL ENVIRONMENTAL CONTROL REGULATIONS. EMPTIED CONTAINERS RETAIN PRODUCT RESIDUE AND SHOULD NOT BE DISTRIBUTED, MADE AVAILABLE, FURNISHED OR REUSED EXCEPT FOR STORAGE AND SHIPMENT OF ORIGINAL PRODUCT.

12. SHIPPING INFORMATION

Dot Shipping Name: NOT REGULATED

Technical Shipping Name: NOT APPLICABLE

DOT Hazard Classification
Primary: NOT APPLICABLE
Secondary: NOT APPLICABLE
Freight Classification: NOT REGULATED

UN Number: NOT APPLICABLE

IMO Hazard Class: NOT APPLICABLE

DOT Labels Required: COMMUNITY RIGHT TO KNOW LABEL

EPA/DOT Hazardous Substances Rq: NOT APPLICABLE.

**13. OTHER GOVERNMENT REGULATIONS**

TSCA: ALL COMPONENTS OF THIS PRODUCT ARE IN COMPLIANCE WITH THE TOXIC SUBSTANCE CONTROL ACT.

**14. ADDITIONAL COMMENTS**

Practices: HANDLE WITH DUE CARE AND MINIMIZE EXPOSURE IN ACCORDANCE WITH GOOD INDUSTRIAL HYGIENE PRACTICE.

**15. DISCLAIMER**

Information contained herein is, to our best knowledge, true and accurate. It is offered for information only, as we cannot guarantee the results of processes not under our direct control.

JULY 10, 2013
Supersedes MSDS Dated: JANUARY 18, 2010

N.E. Not Established
N.A. Not Applicable
SECTION 1: PRODUCT IDENTIFICATION

Supplier: PRO Chemical & Dye
126 Shove Street
Fall River, MA  02724

Emergency Telephone Numbers:
800-255-3924 ChemTel. (United States)
+ 1  01  813-248-0585 (Outside the United States)

SECTION 2: HAZARD IDENTIFICATION

Classification:
Skin corrosion/irritation------------------Category 2

Serious eye damage /eye irritation------Category 2

EMERGENCY OVERVIEW

signal word
WARNING

Hazard statements : H315 – Causes skin irritation
                    H319 - Causes serious eye irritation

Appearance  powder  Physical State  Powder  Odor  None

Precautionary statements
P310 – Immediately call a POISON CENTER or doctor/physician
P302+ P352 – IF ON SKIN: Wash with plenty of soap and water
P321- Specific treatment (see supplemental first aid instructions on this label)
P332+ P313 –if skin irritation occurs: Get medical advice/attention
P362 - Take off contaminated clothing and wash before reuse
P264 – Wash face, hands and any exposed skin thoroughly after handling
P280 – Wear protective gloves/protective clothing/eye protection/face protection
P305 +P351 +P338 – IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P337 +P313 – If eye irritation persists: Get medical advice/attention

Hazards Not Otherwise Classified (HNOC)

OTHER INFORMATION

Unknown Acute Toxicity
100 percent of the mixture consists of ingredient(s) of unknown acute toxicity
SECTION 3: COMPOSITION/ INFORMATION ON INGREDIENTS

Chemical Name: Reactive Blue 109
C. A. S. #: 61951-76-6

SECTION 4: FIRST AID MEASURES

First aid measures for different exposure routes.

**Eyes:** Flush eyes with water for at least 15 minutes.

**Skin:** Wash with mild soap and water. If irritation occurs get medical attention. If clothing is contaminated, remove and wash before re-use.

**Inhalation:** Remove to fresh air. Get medical attention.

**Ingestion:** Rinse mouth. Give plenty of water to drink. Get medical attention. If unconscious, do not give anything to drink. Get immediate medical attention.

SECTION 5: FIRE FIGHTING MEASURES

In case of fire: Keep unnecessary people away. Isolate hazard area and deny entry. Stay upwind, out of low areas, and ventilate closed spaces before entering.

Fire fighting procedure: Dry chemical, CO2, water spray or regular foam. Move containers from fire area if you can do it without risk. Apply cooling water to sides of containers that are exposed to flames until well after fire is out.

Fire fighting equipment: Use self-contained breathing apparatus to protect against potentially toxic and irritating fumes.

SECTION 6: ACCIDENTAL SPILL OR RELEASE INSTRUCTIONS

Steps to be taken: Do not touch or walk through spilled material. Stop leak if you can do it without risk. Take up with sand or other non-combustible absorbent materials and place into containers for later disposal. Scrub spill area with detergent, flush with copious amount of water.

Waste disposal method: Bury or incinerate according to federal, state and local regulations.

Container reuse method: Containers should not be reused without professional cleaning and conditioning.

SECTION 7: HANDLING AND STORAGE

No special precautions anticipated. Wear all proper personal protection equipment as outlined in section VIII and avoid physical contact with material.

SECTION 8: EXPOSURE CONTROLS AND PERSONAL PROTECTION

Respiratory: NIOSH approved dust respirator when needed.

Skin: Always wear imperious gloves and appropriate equipment to prevent probability of personal contact.

Eyes: Wear side-shield safety glasses.

Ventilation: Local exhaust should be used to maintain exposure limits and to draw spray, aerosol, vapors or dusts away from workers and prevent routine inhalation.
SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

VAPOR PRESSURE--N/A  ODOR--NONE
VAPOR DENSITY---N/A  APPEARANCE--POWDER
VOLATILITY---- N/A  SPECIFIC GRAV-- N/A
FREEZE POINT--- N/A  EVAP. RATE-- N/A
MELTING POINT---N/A  Ph OF PRODUCT—N/A
BOILING POINT--N/A
FLAMMABLE LIMITS--N/A

SECTION 10: STABILITY AND REACTIVITY

STABILITY------ STABLE UNDER NORMAL CONDITIONS
CONDITIONS TO AVOID----- NONE KNOWN
INCOMPATIBLE MATERIALS------UNKNOWN
HAZARDOUS DECOMPOSITION PRODUCTS---BURNING WILL PRODUCE OXIDES OF CARBON, NITROGEN, AND OTHER POTENTIALLY TOXIC FUMES.
HAZARDOUS POLYMERIZATION----- WILL NOT UNDERGO POLYMERIZATION.
CONDITIONS TO AVOID---NONE KNOWN

SECTION 11: TOXICOLOGICAL INFORMATION

ORAL LD50 (RAT) NO DATA CURRENTLY AVAILABLE
DERMAL LD50 NO DATA CURRENTLY AVAILABLE
EYE EFFECTS (RABBIT) NO DATA CURRENTLY AVAILABLE
SKIN EFFECTS (RABBIT) NO DATA CURRENTLY AVAILABLE
MUTAGENICITY NO DATA CURRENTLY AVAILABLE
INHALATION LC50 NO DATA CURRENTLY AVAILABLE
SKIN SENSITIZATION (GUINEA PIG) NO DATA CURRENTLY AVAILABLE
RESPIRATORY SENSITIZATION NO DATA CURRENTLY AVAILABLE
ADDITIONAL TOXICITY DATA NO DATA CURRENTLY AVAILABLE
SUPPLEMENTAL TEST DATA NO DATA CURRENTLY AVAILABLE
OTHER DATA NO DATA CURRENTLY AVAILABLE

SECTION 12: ECOLOGICAL DATA

BOD NO DATA CURRENTLY AVAILABLE
COD NO DATA CURRENTLY AVAILABLE
AQUATIC TOXICITY NO DATA CURRENTLY AVAILABLE
BIODEGRADABILITY NO DATA CURRENTLY AVAILABLE
PERSISTENCE NO DATA CURRENTLY AVAILABLE
SEWAGE TREATMENT NO DATA CURRENTLY AVAILABLE
OTHER DATA NO DATA CURRENTLY AVAILABLE
SUPPLEMENTAL TEST DATA NO DATA CURRENTLY AVAILABLE

Ecotoxicity
0% of the mixture consists of components(s) of unknown hazards to the aquatic environment
Toxicity to Algae no data available
Toxicity to Fish no data available
Toxicity to daphnia and other aquatic invertebrates
Persistence and Degradability No information available.
Bioaccumulation No information available.
Other Adverse Effects No information available

SECTION 13: DISPOSAL AND ENVIRONMENTAL CONSIDERATION

Waste treatment

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

Contaminated Packaging Do not re-use empty containers. Dispose of in accordance with local regulations.
SECTION 14: SHIPPING AND TRANSPORTATION INFORMATION

DOT REGULATION (GROUND)—NOT REGULATED
IATA REGULATION (AIR)—NOT REGULATED
IMDG/IMO REGULATION (WATER)—NOT REGULATED

DOT HAZARD CLASS----NON-HAZARDOUS
DOT CLASSIFICATION----NON-HAZARDOUS MATERIAL
COMMODITY CLASS----INK MATERIAL

SECTION 15: REGULATORY INFORMATION

REGULATORY LIST REFERENCE:

NOTE: WHEN NO COMPONENTS ARE SHOWN IN SPACE ABOVE THIS NOTE, NO FEDERAL OR STATE REPORTING REQUIREMENTS APPLY TO THIS PRODUCT. WHEN COMPONENTS ARE LISTED ABOVE, LIST NUMBERS SHOWN BELOW INDICATE APPLICABLE REGULATIONS.

LIST NUMBERS
1 ACCIDENTAL RELEASE SUBSTANCE
2 CERCLA 304 HAZARDOUS SUBSTANCE(RQ)
3 RESERVED
4 CLEAN AIR ACT-SEC.111 VOLATILE ORGANIC COMPOUNDS
5 CLEAN AIR ACT-SEC.112 HAZ. AIR POLLUTANT (HAP,HAP CODE)
6 CLEAN AIR ACT-OZONE DEPLETING CHEMICAL(ODC)
7 CLEAN WATER ACT-RQ
8 CLEAN WATER ACT-PRIORITY POLLUTANT(PP)RQ
9 MARINE POLLUTANT (MP)
10 PSM HIGHLY HAZARDOUS CHEMICAL
11 RCRA HAZARDOUS WASTE (RCRA CODE)
12 SARA 302 EXTREMELY HAZARDOUS SUBSTANCE (EHS)(RQ)
13 SARA 313 TOXIC RELEASE INVENTORY (TRI)(TR CONC, TR THRESHOLD)
14 SOCMI CHEMICAL (CAA)
15 STATE LISTS
16 SUPPLEMENTAL REGULATORY INFORMATION(SRI)

T.S.C.A---- IN COMPLIANCE
0.S.H.A. HAZARD CLASSIFICATION: NON HAZARDOUS

SARA 311/312 HAZARD CATEGORIES:

IMMEDIATE/ACUTE HEALTH HAZARD: NO
CHRONIC/ DELAYED HAZARD: NO
FLAMMABLE: NO
REACTIVITY HAZARD: NO
OXIDIZER: NO

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

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

CERCLA
This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material.
SECTION 16: OTHER INFORMATION

LAST REVISION DATE. 01/20/2014

HMIS RATINGS: HEALTH: 1  Flammability: 1  Physical Hazard: 0  PERSONAL PROTECTION: F

DISCLAIMER:

THE INFORMATION AND RECOMMENDATIONS CONTAINED HEREIN ARE BASED UPON DATA BELIEVED TO BE CORRECT. HOWEVER, NO GUARANTEE OR WARRANTY OF ANY KIND, EXPRESSED OR IMPLIED, IS MADE WITH RESPECT TO THE INFORMATION CONTAINED HEREIN. THIS MATERIAL SAFETY DATA SHEET WAS PREPARED TO COMPLY WITH THE OSHA HAZARD COMMUNICATION STANDARD 29 CFR 1910, 1200 AND SUPERSEDES ANY PREVIOUS INFORMATION. PREVIOUSLY DATED SHEETS ARE INVALID AND INAPPLICABLE.

END OF MSDS.
Emergency Telephone Numbers:
800-255-3924 ChemTel. (United States)
+ 1 01 813-248-0585 (Outside the United States)

Issue Date: 1/7/13

1. PRODUCT IDENTIFICATION
PRODUCT NAME: MX 8132
CHEMICAL FAMILY: REACTIVE AZO
T.S.C.A. STATUS: IN COMPLIANCE

2. HAZARDOUS INGREDIENTS
HAZARDOUS COMPONENTS: NO HAZARDOUS MATERIALS ARE CONTAINED IN THIS PRODUCT
CURRENT TLV'S: NONE KNOWN

3. HAZARDS IDENTIFICATION
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

CHRONIC EFFECTS OF OVEREXPOSURE
When tested on guinea pigs, this product has shown a positive skin sensitization potential. This product belongs to a class of dyestuffs in which occasional cases of respiratory sensitization have been observed. Inhalation sensitization by this product has not been observed. Nevertheless, avoid inhalation.

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.
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: 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: BLUE
ODOR: NONE
SOLUBILITY IN WATER: 100 g/l @ 60 deg C
IGNITION TEMP: N.A.
BULK DENSITY: 400 -800 kg/m3
pH: 6 - 7
% VOLATILE: ND VALUE: ND UNIT: % COMMENT:

10. REACTIVITY DATA
THERMAL DECOMPOSITION: No thermal decomposition when stored and handled correctly.
HAZARDOUS REACTIONS: In the case of dusty organic products the possibility of a dust explosion should always be considered.

11. TOXICOLOGICAL DATA
ANIMAL TOXICITY ORAL - LD50 (INGESTION): ND
FISH, LC50: ND
EYE EFFECTS: IRRITANT (RABBIT)
SKIN EFFECTS: IRRITANT (RABBIT)
SENSITIZATION: HAS A SENSITIZING EFFECT ON THE SKIN OF GUINEA-PIGS

12. ECOLOGICAL DATA
BIODEGRADABILITY: ND
BACTERIA TOXICITY: ND
AOX: 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
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>Immediate (acute)</th>
<th>Delayed (chronic)</th>
<th>Fire</th>
<th>Sudden Release of Pressure</th>
<th>Reactivity</th>
</tr>
</thead>
<tbody>
<tr>
<td>Health Hazard</td>
<td>Yes</td>
<td>Yes</td>
<td>No</td>
<td>No</td>
<td>No</td>
</tr>
</tbody>
</table>

OTHER REGULATIONS: Label in accordance with the EEC directives:
HAZARD SYMBOLS: Xi Irritant
CONTAINS: Reactive Dyestuff
R 42/43: May cause sensitization by inhalation and skin contact.
S22: Do not breathe dust.
S24: Avoid contact with skin.
S37: Wear suitable gloves.

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 contains the following components currently on the California List of Known Carcinogens and reproductive Toxins.

FORMALDEHYDE (50-00-0) 122.6 ppm

16. OTHER INFORMATION
The manufacturer 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. The manufacturer makes no other expressed or implied warranty of fitness or merchantability or any other expressed or implied warranty. In no case shall the manufacturer be liable for consequential, special, or indirect damages resulting from the use or handling of this product.

MSDS Created: November 5, 2009

MSDS Revised: November 5, 2009
SAFETY DATA SHEET
MX 801 Grape
PRINT DATE: 4/6/17

1. PRODUCT IDENTIFICATION

PRODUCT NAME ........ GRAPE MX 801
CHEMICAL FAMILY ...... REACTIVE DYESTUFF
T.S.C.A. STATUS ........ COMPLIANCE
RECOMMENDED PRODUCT USE  TEXTILE MANUFACTURING
RESTRICTED PRODUCT USE FOR INDUSTRIAL USE ONLY
SUPPLIED BY ............... PRO CHEMICAL & DYE
126 SHOVE STREET
FALL RIVER, MA
PHONE: 508-676-3838
Emergency Telephone Numbers:
800-255-3924 ChemTel. (United States)
+ 1 01 813-248-0585 (Outside the United States)

2. HAZARDS IDENTIFICATION

GHS Classification: Environmental Category 3- Chronic Aquatic Toxicity

Pictogram: NONE
Signal Word: NONE

Hazard Statements: H412: Harmful to Aquatic Life with Long-Lasting Effects

Precautionary Statements:
P264: Wash face, hands, and any exposed skin thoroughly after handling.
P280: Wear protective gloves/ protective clothing/eye protection/face protection
P270: Do not eat, drink, or smoke when using this product.
P260: Do not breathe dust/fume/gas/mist/vapors/spray
P273: Avoid release to the environment
P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P302 + P352 IF ON SKIN: Wash with plenty of soap and water for 15 minutes.
P301 + P330 + P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
P304 + P340 IF INHALED: Remove victim to fresh air and keep at rest in a comfortable position for breathing.
3. COMPOSITION/INFORMATION ON INGREDIENTS

Proprietary Reactive Violet Harmful to aquatic life with long lasting effects

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

4. FIRST-AID MEASURES

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.

MOST IMPORTANT SYMPTOMS AND EFFECTS. BOTH ACUTE AND DELAYED
The most significant symptoms and effects are described in the labelling (see section 2) and/or in section 11

INDICATION OF ANY SYMPTOMS AND EFFECTS, BOTH ACUTE AND DELAYED
No data available

5. FIREFIGHTING MEASURES

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. ACCIDENTAL RELEASE MEASURES

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. HANDLING AND STORAGE

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

CONDITIONS FOR SAFE STORAGE, INCLUDING ANY INCOMPATIBILITIES
Keep container protected from direct sunlight in a dry, cool and in a well-ventilated area. Keep the container tightly sealed and away from any incompatible materials (see Section 10).

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

APPROPRIATE ENGINEERING CONTROLS:
Handle with good industrial practices and industrial hygiene. Wash hands after use.

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 AND CHEMICAL PROPERTIES

APPEARANCE ..........POWDER
COLOR ................VIOLET
ODOR ......................NONE
ODOR THRESHOLD ....ND
SOLUBILITY IN WATER 40 - 60 g/l @ 25 C
BULK DENSITY ..........ND
RELATIVE DENSITY ..... NA
VISCOSITY ............... ND
pH ................................ND
MELTING POINT/FREEZING POINT ..........ND
PARTITION COEFFICIENT: N-OCTANOL/WATER ..........ND
BOILING POINT ..........ND
VAPOR PRESSURE ........ND
VAPOR DENSITY ..........ND
EVAPORATION RATE ....ND
FLAMMABILITY ..........NON COMBUSTIBLE
FLASH POINT .............> 212 F
IGINITION TEMP .........ND
DECOMPOSITION TEMPERATURE .... ND
UEL ..........................ND
LEL ..........................ND
VOLATILE: VALUE: 0.5 UNIT:% COMMENT: De-dusting Oil
10. STABILITY AND REACTIVITY

THERMAL DECOMPOSITION: ND
POSSIBILITY OF HAZARDOUS REACTIONS: None expected
CHEMICAL STABILITY ....................... Stable
INCOMPATIBLE MATERIALS: Strong oxidizing agents
HAZARDOUS DECOMPOSITION PRODUCTS .......... C02, CO, SULFUR OXIDES, NITROGEN OXIDES
CONDITIONS TO A VOID ....In the case of dusty organic products the possibility of a dust explosion should always be considered. A void generation of dust.
REACTIVITY .... Will not occur

11. TOXICOLOGICAL INFORMATION

ANIMAL TOXICITY ORAL - LD50 (INGESTION) >5000 mg/kg (Rat)
FISH, LC50 ........................................ ND
EYE EFFECTS .................................................... NON-IRRITANT (RABBITS)
SKIN EFFECTS .................................................. NON-IRRITANT (RABBITS)
SENSITIZATION ............................................. NOT EXPECTED

PRIMARY ROUTE OF EXPOSURE

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

CARCINOGEN STATUS

IARC: ND NTP: ND OSHA: ND

HMIS: 1 1 0 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.

12. ECOLOGICAL INFORMATION

BIODEGRADABILITY: ND
BACTERIA TOXICITY: ND
AOX: 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.

<table>
<thead>
<tr>
<th>SARA 312</th>
<th>Immediate (acute) health hazard</th>
<th>No</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Delayed (chronic) health hazard</td>
<td>No</td>
</tr>
<tr>
<td></td>
<td>Fire hazard</td>
<td>No</td>
</tr>
<tr>
<td></td>
<td>Sudden Release of Pressure</td>
<td>No</td>
</tr>
<tr>
<td></td>
<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 contains components currently on the California List of Known Carcinogens and reproductive Toxins

Formaldehyde (50-00-0) 116 ppm

16. OTHER INFORMATION

This company 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. This company makes no other expressed or implied warranty of fitness or merchantability or any other expressed or implied warranty. In no case shall this company be liable for consequential, special, or indirect damages resulting from the use or handling of this product.

MSDS Created: March 28, 2017
MSDS Revised: March 28, 2017
SAFETY DATA SHEET
Boysenberry MX 802

PRINT DATE: 4/6/17

1. PRODUCT IDENTIFICATION

PRODUCT NAME ........... BOYSENBERRY MX 802
CHEMICAL FAMILY ......... REACTIVE DYE STUFF
T.S.C.A. STATUS .......... COMPLIANCE
RECOMMENDED PRODUCT USE TEXTILE MANUFACTURING
RESTRICTED PRODUCT USE ...... FOR INDUSTRIAL USE ONLY
SUPPLIED BY ................. PROCHEMICAL & DYE
126 SHOVE STREET
FALL RIVER, MA 02724
PHONE: 508-676-3838

EMERGENCY PHONE NUMBER:
800-255-3924 ChemTel. (United States)
+ 1 01 813-248-0585 (Outside the United States)

2. HAZARDS IDENTIFICATION

GHS Classification: Health Category 5-Oral Toxicity
Environmental Category 3- Chronic Aquatic Toxicity

Pictogram: NONE

Signal Word: Warning

Hazard Statements: H303: May be Harmful if Swallowed
H412: Harmful to Aquatic Life with Long-Lasting Effects

Precautionary Statements:

P264: Wash face, hands, and any exposed skin thoroughly after handling.
P280: Wear protective gloves/ protective clothing/ eye protection/ face protection.
P270: Do not eat, drink, or smoke when using this product.
P260: Do not breathe dust/fume/gas/mist/vapors/spray.
P273: Avoid release into the environment.
P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
   IF ON SKIN: Wash with plenty of soap and water for 15 minutes.
   IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
P302 + P352
P301 + P330 + P331 Call a POISON Center or doctor/physician if you feel unwell
P312 IF INHALED: Remove victim to fresh air and keep at rest in a comfortable position for breathing.
P304 + P340

PAGE 1
3. COMPOSITION/INFORMATION ON INGREDIENTS

Proprietary Reactive Violet Harmful to aquatic life with long lasting effects

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

4. FIRST-AID MEASURES

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.

MOST IMPORTANT SYMPTOMS AND EFFECTS, BOTH ACUTE AND DELAYED
The most significant symptoms and effects are described in the labelling (see section 2) and/or in section 11

INDICATION OF ANY SYMPTOMS AND EFFECTS, BOTH ACUTE AND DELAYED
No data available

5. FIREFIGHTING MEASURES

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. ACCIDENTAL RELEASE MEASURES

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. HANDLING AND STORAGE

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

CONDITIONS FOR SAFE STORAGE, INCLUDING ANY INCOMPATIBILITIES
Keep container protected from direct sunlight in a dry, cool and in a well-ventilated area. Keep the container tightly sealed and away from any incompatible materials (see Section 10).

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

APPROPRIATE ENGINEERING CONTROLS:
Handle with good industrial practices and industrial hygiene. Wash hands after use.
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 AND CHEMICAL PROPERTIES

APPEARANCE ............ POWDER
COLOR .................... VIOLET
ODOR ..................... NONE
ODOR THRESHOLD ..... ND
SOLUBILITY IN WATER .... 40 - 60 g/l @ 25 C
BULK DENSITY ............ NO
RELATIVE DENSITY ........ NA
VISCOSITY .................. ND
pH .............................. ND
MELTING POINT/FREEZING POINT ND
PARTITION COEFFICIENT: N-OCTANOL/WATER .. ND
BOILING POINT ............. ND
VAPOR PRESSURE .......... ND
VAPOR DENSITY ................ ND
EVAPORATION RATE ........ ND
FLAMMABILITY .............. NON COMBUSTABLE
FLASH POINT ............... > 212 F
INGITION TEMP .......... ND
DECOMPOSITION TEMPERATURE .... ND
VEL ............................ ND
LEL .............................. ND
VOLATILE: VALUE: 000 UNIT: % COMMENT:

PAGE 3
10. STABILITY AND REACTIVITY

THERMAL DECOMPOSITION: NO
POSSIBILITY OF HAZARDOUS REACTIONS: None expected
CHEMICAL STABILITY ...................... Stable
INCOMPATABLE MATERIALS: Strong oxidizing agents
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 generation of dust.

REACTIVITY .... Will not occur

11. TOXICOLOGICAL INFORMATION

ANIMAL TOXICITY ORAL - LD50 (INGESTION) ... ND
FISH, LC50 ...................................... ND
EYE EFFECTS .................................... NON-IRRITANT
SKIN EFFECTS ................................... NON-IRRITANT
SENSITIZATION .................................. NOT EXPECTED

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: ND | NTP: ND | OSHA: ND |

HMIS: 1 1 0 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.

12. ECOLOGICAL INFORMATION

BIODEGRADABILITY: ND
BACTERIA TOXICITY: ND
AOX: 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

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 contains components currently on the California List of Known Carcinogens and reproductive Toxins

       Formaldehyde (50-00-0) 150 ppm

16. OTHER INFORMATION

This company 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. This company makes no other expressed or implied warranty of fitness or merchantability or any other expressed or implied warranty. In no case shall this company be liable for consequential, special, or indirect damages resulting from the use or handling of this product.

MSDS Created: March 28, 2017
MSDS Revised: March 28, 2017