



### **3. COMPOSITION/INFORMATIONS ON INGREDIENTS**

Proprietary Azo Dye      May be harmful if swallowed.

The exact ingredient percentages and composition has 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 . 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 ..... 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. 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. Scrub spilled area with detergent, flush with copious amount of water. 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 ..... YELLOW

ODOR ..... NONE

ODOR THRESHOLD.....NA

SOLUBILITY IN WATER ..... 45 g/l @ 90 C

BULK DENSITY ..... ND

RELATIVE DENSITY.....NA

VISCOSITY.....NA

pH ..... 6.0 – 10.0 @ 10.0 g/l

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

AUTO-IGNITION TEMP..... NA

DECOMPOSITION TEMPERATURE....392 F

UEL.....NA

LEL.....NA

% VOLATILE: VALUE: ND

UNIT: %

COMMENT:

## **10. STABILITY AND REACTIVITY**

THERMAL DECOMPOSITION: No thermal decomposition when stored and handled correctly.  
POSSIBILITY OF HAZARDOUS REACTIONS : In the case of dusty organic products the possibility of a dust explosion should always be considered.  
CHEMICAL STABILITY.....Stable  
INCOMPATIBLE MATERIALS: None  
HAZARDOUS DECOMPOSITION PRODUCTS.....CO<sub>2</sub>, CO, SULFUR OXIDES, NITROGEN OXIDES  
CONDITIONS TO AVOID.....Avoid dusting conditions and sparks/flame.  
REACTIVITY....Will not occur

## **11. TOXICOLOGICAL INFORMATION**

ANIMAL TOXICITY ORAL - LD50 (INGESTION).....>3000 mg/l (rats)  
FISH, LC50 .....> 200 mg/l 96 hour (brachydanio rerio)  
EYE EFFECTS.....NON-IRRITANT (RABBIT EYE)  
SKIN EFFECTS .....NON-IRRITANT (RABBIT)  
SENSITIZATION .....NOT EXPECTED  
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
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HMIS: 1 1 0 E

### EFFECTS OF OVEREXPOSURE

None 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.

## **12. ECOLOGICAL INFORMATION**

BIODEGRADABILITY: < 10 %  
AQUATIC TOXICITY: EC50 > 100 mg/l (48 hour daphnia magna straus)  
BACTERIA TOXICITY: ND  
AOX: > 2.0 %

## **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. TRANSPORT INFORMATION**

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

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 19<sup>th</sup> Amendment of the Council Directive 76/769/EEC.

#### **16. OTHER INFORMATION**

Disclaimer

Rupert, Gibbon & Spider, Inc. cannot anticipate all conditions under which this information and its product, or the products of other manufacturers in combination with its product, may be used. It is the user's responsibility to ensure safe conditions for handling, storage and disposal of the product, and to assume liability for loss, injury, damage or expense due to improper use. The information in the sheet was written based on the best knowledge and experience currently available.

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