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## SAFETY DATA SHEET

### POLAR RED 390

#### 1. PRODUCT IDENTIFICATION

PRODUCT NAME .....POLAR RED 390  
CHEMICAL FAMILY ..... AZO  
T.S.C.A. STATUS ..... COMPLIANCE  
PRIMARY PRODUCT USE .....TEXTILE MANUFACTURING  
SUPPLIED BY ..... 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)

#### 2. HAZARDS IDENTIFICATION

This product does not contain any categorized hazards.

##### PRIMARY ROUTE OF EXPOSURE

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

##### CARCINOGEN STATUS

|       |    |      |    |       |    |        |    |
|-------|----|------|----|-------|----|--------|----|
| IARC: | NO | NTP: | NO | OSHA: | NO | ACGIH: | NO |
|-------|----|------|----|-------|----|--------|----|

HMIS: 1 0 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.

### **3. HAZARDOUS INGREDIENTS:**

NO HAZARDOUS MATERIALS ARE CONTAINED IN THIS PRODUCT

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 ..... > 100 deg C

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 ..... NONE

ODOR THRESHOLD ..... NA

SOLUBILITY IN WATER ..... ND

BULK DENSITY ..... ND

VISCOSITY ..... NA

pH ..... 8.5 - 10.0 (1 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

IGNITION TEMP ..... NA

DECOMPOSITION TEMPERATURE .... ND

UEL ..... NA

LEL ..... NA

VOLATILE: VALUE: 0.5 UNIT:

COMMENT: dedusting oil

## **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 ..... CO<sub>2</sub>, 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) .....> 5,000 mg/l (RAT)  
FISH, LC50 .....450 mg/l (48 hour, Rainbow Trout)  
SKIN EFFECTS .....NON- IRRITANT (RABBIT)  
EYE EFFECTS .....NON-IRRITANT (RABBIT EYE)  
SENSITIZATION .....NOT EXPECTED

## **12. ECOLOGICAL DATA**

BIODEGRADABILITY: 50  
BACTERIA TOXICITY: > 300 mg/l (Sewage treatment bacteria inhibition)  
COD: 980 mg/g  
AOX: 3.2

## **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 | No |
|           | 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 19<sup>th</sup> 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**

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.

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