

01312-5114

**MATERIAL SAFETY DATA SHEET**

Issue Date: 5/16/13  
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**1. PRODUCT IDENTIFICATION**

|                     |                     |
|---------------------|---------------------|
| PRODUCT NAME        | IDYE POLY TURQUOISE |
| PRODUCT CODE NUMBER | 459                 |
| CHEMICAL FAMILY     | ANTHRAQUINONE       |
| T.S.C.A. STATUS     | COMPLIANCE          |

**2. HAZARDOUS INGREDIENTS**

None under 29CFR 1910.1200 or under Title II of SARA.

**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 |
|-------|----|------|----|-------|----|--------|----|

**EFFECTS OF OVEREXPOSURE**

None Known

**SIGNS AND SYMPTOMS OF OVEREXPOSURE**

May be mechanically 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.

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#### 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. Scrub spilled area with detergent, flush with copious amount of water. 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.

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**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** .....DISPERSIBLE  
**IGNITION TEMP** .....N.A.  
**BULK DENSITY** .....400 kg/m<sup>3</sup>  
**pH** .....9.0 at 50 g/l 20 deg C  
**% VOLATILE:** .....VALUE: 0.16      UNIT: %      COMMENT: AS VOC's

#### 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)**.....>5000 mg/kg (rat)  
**FISH, LC50** .....>100 mg/l (LEUCISCUS IDUS) 96 hour  
**EYE EFFECTS**.....NON-IRRITANT (RABBIT EYE)  
**SKIN EFFECTS** .....NON-IRRITANT (RABBIT)

#### 12. ECOLOGICAL DATA

**BIODEGRADATION:** .....80%  
**BACTERIA TOXICITY IC50:** .....> 100 mg/l (ACTIVATED SLUDGE)  
**AQUATIC TOXICITY EC0:**.....>100 mg/l (24 hour) Daphnia magna  
**COD** .....1449 mg/g  
**AOX:** .....0.000%

#### 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.

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**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.

|                  |                                 |    |
|------------------|---------------------------------|----|
| <b>SARA 312:</b> | Immediate (acute) health hazard | No |
|                  | Delayed (chronic) health hazard | No |
|                  | Fire hazard                     | No |
|                  | Sudden Release of Pressure      | No |
|                  | Reactivity                      | No |

**OTHER REGULATIONS:** No labeling is required in accordance with EEC directives:

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

Formaldehyde (50-00-0) 149 ppm

**16. OTHER INFORMATION**

Rupert Gibbon and 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 inherent risks referred to in the material safety data sheet for this product. Rupert Gibbon and 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 and Spider, Inc. be liable for consequential, special or indirect damages resulting from the use or handling of this product.

**MSDS Created:** May 26, 2010

**MSDS Revised:** July 27, 2010

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