



**Ciba**

## MATERIAL SAFETY DATA SHEET

### 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

<b>Trade Name:</b>	<b>CIBACRON GREY MI-800</b>		
<b>MSDS ID:</b>	<b>1895191</b>		
<b>Approved for Sale:</b>	USA & Canada		
<b>Chemical Family:</b>	Azo Dye		
<b>Product Use:</b>	For Printing Cellulosic Fibers		
<b>OSHA/WHMIS Hazardous Substance:</b>	Yes		
<b>WHMIS Hazard Class:</b>	D2B		
<b>HMIS Rating:</b>	<b>Health: 2*</b>	<b>Flammability: 1</b>	<b>Reactivity: 0</b>
			<b>Protective Equipment: J</b>

MSDS Request Line: (336) 801-2929  
 Ciba Specialty Chemicals  
 4050 Premier Drive  
 High Point, North Carolina 27265

Emergency Telephone: 1-800-873-1138  
 Revision Date:  
 Sections Revised:  
 Prepared by:

08/25/2003

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Product Stewardship Team

### 2. COMPOSITION / INFORMATION ON INGREDIENTS

#### *Hazardous Ingredients:*

Propylene glycol 15 - 25%  
 57-55-6

<b>OSHA PEL (mg/m<sup>3</sup>):</b>	Not established
<b>ACGIH TLV (mg/m<sup>3</sup>):</b>	Not established
<b>NTP Carcinogen:</b>	Not Listed
<b>IARC Carcinogen:</b>	Not Listed
<b>Dermal Toxicity:</b>	(Rabbit) LD50 = 20,800 mg/kg
<b>Ingestion Toxicity:</b>	(Rat) LD50 = 20,000 mg/kg
<b>Inhalation Toxicity:</b>	Not evaluated

Reactive Brown 11 a.l. #1 0.1-1.0%  
 70161-16-9

<b>OSHA PEL (mg/m<sup>3</sup>):</b>	Not established
<b>ACGIH TLV (mg/m<sup>3</sup>):</b>	Not established
<b>NTP Carcinogen:</b>	Not Listed
<b>IARC Carcinogen:</b>	Not Listed
<b>Dermal Toxicity:</b>	Not evaluated
<b>Ingestion Toxicity:</b>	Not evaluated
<b>Inhalation Toxicity:</b>	Not evaluated

Reactive Brown 11 a.l. #2 0.1-1.0%  
 70161-17-0

<b>OSHA PEL (mg/m<sup>3</sup>):</b>	Not established
<b>ACGIH TLV (mg/m<sup>3</sup>):</b>	Not established
<b>NTP Carcinogen:</b>	Not Listed
<b>IARC Carcinogen:</b>	Not Listed
<b>Dermal Toxicity:</b>	Not evaluated
<b>Ingestion Toxicity:</b>	Not evaluated
<b>Inhalation Toxicity:</b>	Not evaluated

### 3. HAZARDS IDENTIFICATION

**Primary Route(s) of Exposure:** Inhalation and dermal  
**Effects of Overexposure:** May cause skin sensitization which may be seen as redness or inflammation. The reactive dye in this product has not been shown to cause allergic respiratory reactions in workers. However, since certain other reactive dyes have caused allergic reactions, a physician should be called if a worker experiences symptoms such as skin rash, puffiness around eyes, nasal symptoms (itchy, runny or blocked nose), lower respiratory symptoms (wheezing, chest tightness, difficulty in breathing or asthmatic attacks), dizziness or fainting. Persons allergic to reactive dyes should avoid exposure to them.

### 4. FIRST AID MEASURES

**First Aid for Eyes:** Flush eye with water for at least 15 minutes. Get medical attention.  
**First Aid for Skin:** Immediately wash skin with soap and plenty of water. Remove contaminated clothing. Call a physician if symptoms occur. Wash clothing before reuse.  
**First Aid for Inhalation:** If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Call a physician  
**First Aid for Ingestion:** If conscious, give plenty of water to drink. Get medical attention. If unconscious, do not give anything to drink. Get immediate medical attention.

### 5. FIRE FIGHTING MEASURES

**Fire and Explosion Hazards:** No unusual hazards.  
**Flash Point:** > 100 C (212 F)  
**Test Method (for Flash Point):** Not evaluated  
**Flammable Limits in Air-Lower:** Not evaluated  
**Flammable Limits in Air-Upper:** Not evaluated  
**Extinguishing Media:** Carbon dioxide, foam, dry chemical, water spray  
**Special Fire Fighting Procedures:** Use self contained breathing apparatus.  
**Hazardous Combustion Products:** Burning may produce oxides of carbon, nitrogen or sulfur.  
**Auto-Ignition Temperature:** Not applicable  
**Conditions of Flammability:** None known  
**Sensitivity to Mechanical Impact:** Not evaluated  
**Sensitivity to Static Discharge:** Not evaluated

### 6. ACCIDENTAL RELEASE MEASURES

**Spill Procedures:** Soak up with inert absorbent material. Shovel into closable container for disposal. Wear protective equipment specified (Section 8).  
**Emergency Response Guidebook Guide Number:** None

### 7. HANDLING AND STORAGE

#### Product Label Information

WARNING! Sensitizer - may cause allergic skin reaction. Avoid prolonged or repeated contact with skin. The reactive dye in this product has not been shown to cause allergic respiratory reactions. However, since certain other reactive dyes have caused allergic reactions, a physician should be called if a worker experiences symptoms such as skin rash, runny nose, difficulty in breathing, dizziness or fainting. Persons allergic to reactive dyes should avoid exposure to them. Use appropriate protective equipment in an adequately ventilated area. Close container after use. Wash thoroughly after handling. For industrial use only.

### 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

**Respiratory Protection:** Use NIOSH approved respirator (particulate Type N99) where there is likelihood of inhalation of the product mist. All respirator use must be controlled by a program which conforms to the requirements of 29 CFR1910.134.  
**Protective Gloves:** Wear impervious gloves as a standard handling procedure.

**Eye Protection:** Wear splash-proof chemical goggles.  
**Emergency Response Protection:** No additional specialized equipment should be required.  
**Other Protective Equipment:** Wear appropriate equipment to prevent probability of exposure and personal contact. Deluge safety shower and eye wash should be located near work area.  
**Ventilation:** Local exhaust recommended, mechanical exhaust acceptable.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**Appearance and Odor:** Liquid; grey; slight odor  
**Boiling Point:** Approximately 100 C (212 F)  
**Decomposition Temperature:** Not evaluated  
**Evaporation Rate:** Not evaluated  
**Freezing / Melting Point:** Not evaluated  
**pH:** 8.0 - 9.0 at 10 g/l water  
**Solubility:** Miscible  
**Specific Gravity:** Not evaluated  
**Density:** 1.05 g/cm<sup>3</sup> @ 20C  
**Vapor Density:** Not evaluated  
**Vapor Pressure:** Not evaluated  
**Partition Coefficient (Oil/Water):** Not evaluated

## 10. STABILITY AND REACTIVITY

**Stability:** Stable.  
**Incompatibility:** None known.  
**Hazardous Polymerization:** Will not occur  
**Conditions of Reactivity:** None known

## 11. TOXICOLOGICAL INFORMATION

**LD50 Dermal:** LD50 > 2,000 mg/kg (Rat) \*  
**LD50 Ingestion:** LD50 > 2,000 mg/kg (Rat)\*  
**Eye Irritation:** (Rabbits) Not an irritant\*  
**Skin Irritation:** (Rabbits) Not an irritant\*  
**Skin Sensitivity:** Sensitization (Guinea Pig) - a sensitizer \*  
**LC50 Inhalation:** Not evaluated  
**Carcinogenicity:** Not evaluated  
**Mutagenicity:** Not evaluated.  
**Teratogenicity:** Not evaluated  
**Reproductive Toxicity:** Not evaluated  
**Subacute Oral Toxicity (Rat):** Not evaluated.  
**Additional Health Data:** \*Note: The above data based on component information

## 12. ECOLOGICAL INFORMATION

**Biochemical Oxygen Demand (5-Day):** 0.0 mg/g\*  
**Chemical Oxygen Demand:** 330 mg/g\*  
**Fish Toxicity:** LC50 > 500 mg/l (Zebra Fish) 96hr\*  
**Effect on Waste Treatment Bacteria:** Not evaluated  
**Activated Sludge Respiration Inhibition Test:** IC50 = 160 mg/l (3 hr)\* IC50 > 320 mg/l (3 hrs)\*  
**Tox Synergistic Materials:** Not evaluated  
**Additional Environmental Data:** \*Note: The above data based on known component information.

## 13. DISPOSAL CONSIDERATIONS

**Waste Disposal Methods:** Bury or incinerate in approved site or facility in accordance with local, state and federal regulations.  
**Container Reuse:** Emptied container may contain product residue and should not be reused.

## 14. TRANSPORT INFORMATION

U.S. Department of Transportation (DOT): Not Regulated  
International Air Transportation Authority (IATA): Not Regulated  
International Maritime Dangerous Goods (IMDG): Not Regulated  
Canadian Transportation of Dangerous Goods (TDG): Not Regulated

**15. REGULATORY INFORMATION**

**Canadian DSL Status:** One or more components of this product is a Canadian NSN substance.

**CBI Exemption Registry Number:** Not applicable. **Date Filed:** Not Applicable

**Exemption Claim Granted:** Not applicable.

**TSCA Status:** All components are listed in TSCA inventory.

**CERCLA Status:** Not a hazardous substance under CERCLA (40 CFR 302.4).

**RCRA Status:** Not a hazardous waste under RCRA (40 CFR 261).

**SARA 311/312 Status:** Immediate/Delayed

**SARA 313 Status:** Not Reportable

**Clean Air Act:** Maximum Potential Volatile Organics: 20.30 %

**Clean Water Act Status:** Not subject to Clean Water Act.

**Other Regulatory Information:** None

**Chemical Weapons Convention** Not Regulated.

**16. OTHER INFORMATION**

***State Right to Know Information:***

**State Listed Hazardous Ingredients:**

Propylene Glycol, 57-55-6, 1,2-Propanediol within the following states: PA-RTK

**Other Ingredients - Disclosure as required by PA State:**

Trade Secret Dye(s)

Water, 7732-18-5

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**MSDS Fax Line: (336) 801-3086**

**MSDS Request Line: (336) 801-2929**

**E-Mail address format: [firstname.lastname@cibasc.com](mailto:firstname.lastname@cibasc.com)**

**Product Safety, Regulatory and Environmental Information  
(336) 801-2618**

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).