



MATERIAL SAFETY DATA SHEET

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Trade Name: CIBACRON BLACK MI-900
MSDS ID: 1895180
Approved for Sale: USA Only
Chemical Family: Azo Dye Mixture
Product Use: For Printing Cellulosic Fibers
OSHA/WHMIS Hazardous Substance: Yes
WHMIS Hazard Class: Not Applicable
HMIS Rating: Health: 2* Flammability: 1 Reactivity: 0 Protective Equipment: J

Ciba Specialty Chemicals

Emergency Telephone: 1-800-873-1138

4050 Premier Drive
High Point, North Carolina 27265

Revision Date: 07/21/2000
Sections Revised: 3,7,11,15
Prepared by: Product Stewardship Team

2. COMPOSITION / INFORMATION ON INGREDIENTS

Hazardous Ingredients:

N-Methyl pyrrolidone 7-12%
872-50-4

OSHA PEL (mg/m3): Not established
ACGIH TLV (mg/m3): Not established
NTP Carcinogen: Not Listed
IARC Carcinogen: Not Listed
Dermal Toxicity: (Rabbit) LD50 8,000 mg/kg
Ingestion Toxicity: (Rat) LD50=3,914 mg/kg
Inhalation Toxicity: Not evaluated

Reactive Brown 11 a.i. #1 1.0 - 5.0%
70161-16-9

OSHA PEL (mg/m3): Not established
ACGIH TLV (mg/m3): Not established
NTP Carcinogen: Not Listed
IARC Carcinogen: Not Listed
Dermal Toxicity: Not evaluated
Ingestion Toxicity: Not evaluated
Inhalation Toxicity: Not evaluated

Reactive Brown 11 a.i. #2 1.0 - 5.0%
70161-17-0

OSHA PEL (mg/m3): Not established
ACGIH TLV (mg/m3): Not established
NTP Carcinogen: Not Listed
IARC Carcinogen: Not Listed
Dermal Toxicity: Not evaluated
Ingestion Toxicity: Not evaluated
Inhalation Toxicity: Not evaluated

Propylene glycol 7-12%

57-55-6	OSHA PEL (mg/m3):	Not established
	ACGIH TLV (mg/m3):	Not established
	NTP Carcinogen:	Not Listed
	IARC Carcinogen:	Not Listed
	Dermal Toxicity:	(Rabbit) LD50 = 20,800 mg/kg
	Ingestion Toxicity:	(Rat) LD50 = 20,000 mg/kg
	Inhalation Toxicity:	Not evaluated

3. HAZARDS IDENTIFICATION

Primary Route(s) of Exposure: Inhalation and dermal

Effects of Overexposure: May cause eye and skin irritation. 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. Contains N-Methylpyrrolidone which has been shown to cause adverse reproductive effects following oral or dermal exposure.

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. May cause skin and eye irritation. Contains N-Methylpyrrolidone which has been shown to cause adverse reproductive effects following oral or dermal exposure. 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; black; 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 ³ @ 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 > 5,000 mg/kg (Rat)*
Eye Irritation:	(Rabbits) Irritant*
Skin Irritation:	(Rabbits) 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 > 680 mg/l (Zebra Fish) 96 hr*
Effect on Waste Treatment Bacteria: Not evaluated
Activated Sludge Respiration Inhibition Test: IC50 > 250 mg/l (3 hrs)*
Tox Synergistic Materials: Not evaluated
Additional Environmental Data: *Note: The ecological test results were calculated from the known data on the components.

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: Not approved for sale in Canada
CBI Exemption Registry Number: Not applicable. Date Filed: Not Applicable
Exemption Claim Granted: Not applicable.
TSCA Status: All components are listed in TSCA inventory.
This product is subject to the 12(b) Export Notification Requirements.
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: N-Methyl pyrrolidone, 872-50-4, Percent: 10.00
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
N-Methyl pyrrolidone, 872-50-4, 2-Pyrrolidinone, 1-methyl- within the following states: PA-RTK MA-RTK

Other Ingredients - Disclosure as required by PA State:

Trade Secret Dye(s)
Water, 7732-18-5, Water

MSDS Fax Line: (336) 801-3086
MSDS Request Line: (336) 801-2929
E-Mail address format: 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).