

PANNIER CORPORATION
207 SANDUSKY STREET, PITTSBURGH, PA 15212-5823 U.S.A.

MATERIAL SAFETY DATA SHEET

#1150 BLACK (IU C14), BLUE, RED INK
PAGE 1 OF 2
JULY 30, 2003

IMPORTANT: Read this MSDS before handling and disposing of this product and pass this information on to employees, customers and users of this product.

SECTION I - GENERAL INFORMATION

24 HOUR EMERGENCY TELEPHONE NUMBER: 800-424-9300

INTERNATIONAL EMERGENCY TELEPHONE NUMBER: 703-527-3887

TRADE NAME: PANNIER "MASTER MARKER"

GENERIC NAME: Flexographic Ink

CHEMICAL FAMILY: Mixture

CAS NO.: NOT AVAILABLE (MIXTURE)

DOT HAZARDOUS MATERIALS PROPER SHIPPING NAME: NON-RESTRICTED INK

DOT HAZARD CLASS: Non-regulated material

UN/NA ID NO.: NONE

HMIS CODES: 2H, 1F, 0R

SECTION I - HAZARDOUS COMPONENTS

	CAS NUMBER	OCCUPATIONAL EXPOSURE LIMITS OSHA PEL	ACGIH TLV	VAPOR PRESSURE hPA	WEIGHT PERCENT
				@ TEMP	

	CAS NUMBER	OCCUPATIONAL EXPOSURE LIMITS OSHA PEL	ACGIH TLV	VAPOR PRESSURE hPA	WEIGHT PERCENT
Diethylene Glycol	111-46-6	N/A	N/A	0	80-100
RED C.I. Acid Red 73	5413-75-2				0-5
BLUE C.I. Basic Blue 26	2580-56-5				0-5

SECTION III - PHYSICAL DATA

BOILING RANGE: 245 °C

MELTING POINT BLUE, RED: -8.5 °C
BLACK: undetermined

SPECIFIC GRAVITY (H₂O=1): Not determined

DENSITY: BLACK: undetermined;
BLUE: at 20 °C 1.121 g/cm³
RED: at 20 °C 1.124 g/cm³

EVAPORATION RATE: Not determined

SOLUBILITY IN WATER: BLACK, BLUE: not miscible or difficult to mix
RED: fully miscible

APPEARANCE AND ODOR: Liquid, nearly odorless
BLACK: black
BLUE: dark blue
RED: dark red

ORGANIC SOLVENTS: BLACK: 94.4%
BLUE: 98.4%; RED: 96.3%

SOLIDS CONTENT: BLACK: 5.4%
BLUE: 1.6%; RED: 3.6%

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

FLASH POINT: 146 °C

METHOD USED: Closed Cup

FLAMMABLE LIMITS IN AIR BY VOLUME: LOWER: .7% UPPER: 22.0%

SPECIAL FIREFIGHTING PROCEDURES: Use fire fighting measures that suit the environment.

PROTECTIVE EQUIPMENT: No special measure required.

SECTION V - REACTIVITY DATA

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STABILITY: Stable

THERMAL DECOMPOSTION/ CONDITIONS TO AVOID: No decomposition if used according to specifications.

DANGEROUS REACTIONS: No dangerous reactions known

HAZARDOUS DECOMPOSITION OR BYPRODUCTS: No dangerous decomposition products known.

SECTION VI - HEALTH HAZARD DATA

INGESTION HEALTH RISKS AND SYMPTOMS OF EXPOSURE: Harmful if swallowed.

CARCINOGENICITY: NTP? No **IARC MONOGRAPHS?** No **OSHA REGULATED?** No
None Currently Known

EMERGENCY AND FIRST AID PROCEDURES: Symptoms of poisoning may even occur after several hours; therefore medical observation for at least 48 hours after the accident. **INHALATION:** Supply fresh air. Consult a physician in case of complaints. **EYES:** Rinse opened eye for several minutes under running water. **SKIN:** Generally, the product does not irritate the skin. **INGESTION:** Induce vomiting, if person is conscious. Consult a physician or poison control center immediately.

SECTION VII - PRECAUTIONS FOR SAFE HANDLING AND USE

INFORMATION FOR SAFE HANDLING: No special precautions are necessary if used correctly.

INFORMATION ABOUT PROTECTION AGAINST EXPLOSIONS AND FIRES: No special measures required.

REQUIREMENTS TO BE MET MY STOREOOMS AND RECEPTACLES: No special measures required.

INFORMATION ABOUT STORAGE IN ONE COMMON STORAGE FACILITY: Not required.

MAXIMUM STORAGE TEMPERATURE: 120 F (49 C)

MINMUM STORAGE TEMPERATURE: 35 F (2 C)

MEASURES FOR ENVIRONMENTAL PRETECTION: Do not allow product to reach sewage system or any watercourse. Prevent seepage into sewage system, workpits, and cellars. Inform respective authorities in case of seepage into water course or sewage systems.

MEASURES FOR CLEANIGN/COLLECTING: Absorb liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust). Must not be disposed of together with household garbage. Dispose contaminated material as waste in accordance with all Federal, State and Local regulations regarding disposal.

SECTION VIII - CONTROL MEASURES

PROTECTION OF HANDS: Protective gloves.

EYE PROTECTION: Safety eyewear.

BREATHING EQUIPMENT: Not required.

WORK/HYGIENIC PRACTICES: Keep away from foodstuffs, beverages and feed. Wash hands before breaks and at end of work.

SECTION IX - SPECIAL PRECAUTIONS: NO OTHER DATA AVAILABLE

SECTION X - REGULATORY INFORMATION

**SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT OF 1986 (SARA) TITLE III TOXIC CHEMICAL(S)
SUBJECT TO THE REPORTING REQUIREMENTS OF SECTION 313 OF TITLE III.**

This product does not contain chemicals listed as toxic chemicals at levels which require reporting under SARA Title III Section 313.

DISCLAIMER OF LIABILITY

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