

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

**MATERIAL SAFETY DATA SHEET**

**#IUD-14 BLACK INK**

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

**PRODUCT DESCRIPTION:** # IUD-14 BLACK INK

**PREPARATION DATE:** 07/01/03

**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:** Ink  
**DOT HAZARD CLASS:** Flammable Liquid  
**UN/NA ID NO.:** UN 1210  
**HMIS CODES:** 2H, 3F, 0R

**SECTION II - HAZARDOUS INGREDIENTS**

HAZARDOUS COMPONENTS	CAS NUMBER	OCCUPATIONAL EXPOSURE LIMITS		WEIGHT
		OSHA PEL	PERCENT	PERCENT
*Ethylene Glycol Monobutyl Ether	111-76-2	50 PPM	25 PPM	40.0
Isopropyl Alcohol	67-63-0	500 PPM	400 PPM	5.0
N-Propyl Alcohol	71-23-8	250 PPM	200 PPM	16.5
Polyamide Resin	679-893-04	UNKNOWN	UNKNOWN	15.0
N-Propyl Acetate	109-60-4	250 PPM	200 PPM	9.5

\*INDICATES TOXIC CHEMICAL(S) SUBJECT TO THE REPORTING REQUIREMENTS OF SECTION 313 OF TITLE III AND OF 40 CFR 372.

**SECTION III - PHYSICAL DATA**

**BOILING POINT:** 198°F  
**VAPOR DENSITY:** Heavier than air  
**EVAPORATION RATE :** Slower than ether  
**MATERIAL V.O.C.:** Approx. 9.0 LB/GL  
**APPEARANCE AND ODOR:** Black Liquid With Alcohol Odor

**SECTION IV - FIRE AND EXPLOSION HAZARD DATA**

**FLASH POINT:** Approx. 81 °F ASTM D-93  
**% VOLATILE/VOL** 71%  
**EXTINGUISHING MEDIA:** Foam, Carbon Dioxide, or Dry Chemical  
**SPECIAL FIREFIGHTING PROCEDURES:** Water spray may spread fire. Water may be used to cool closed containers to prevent pressure buildup and possible auto ignition or explosion when exposed to extreme heat. If water is used, fog nozzles are preferable.

**SECTION V - REACTIVITY DATA**

**STABILITY:** Stable  
**CONDITIONS TO AVOID:** Heat, Sparks and Open Flames  
**INCOMPATIBILITY (MATERIALS TO AVOID):** Alkalis, oxidizing materials, water and moist air.  
**HAZARDOUS DECOMPOSITION OR BYPRODUCTS:** May liberate carbon monoxide, carbon dioxide and unidentified organic compounds in black smoke.  
**HAZARDOUS POLYMERIZATION:** Will not occur.

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**SECTION VI - HEALTH HAZARD DATA**

**INHALATION HEALTH RISKS AND SYMPTOMS OF EXPOSURE:** Inhalation of vapors or mist may irritate nose and throat. Inhalation of high concentrations may cause headache, nausea, vomiting, unconsciousness and coma. Prolonged contact may cause swelling and skin damage.

**SKIN CONTACT HEALTH RISKS AND SYMPTOMS OF EXPOSURE:** SKIN: Skin contact may cause irritation and reddening.

**SKIN ABSORPTION HEALTH RISKS AND SYMPTOMS OF EXPOSURE:** This product is readily absorbed through the skin. Frequent or widespread contact may absorb harmful amounts.

**CARCINOGENICITY:** NTP? No      **IARC MONOGRAPHS?** No      **OSHA REGULATED?** No

**EMERGENCY AND FIRST AID PROCEDURES:** Fumes: Remove from exposure. Restore breathing if required. Keep warm and quiet. Take to a physician for definitive medical treatment. Splash (Eyes): Flush immediately with large amounts of water for at least 15 minutes. Take to a physician for definitive medical treatment. Splash (Skin): Wash with soap and water. Remove contaminated clothing. Destroy contaminated shoes. Consult a physician if irritation occurs. Ingestion: Induce vomiting. Call poison control center immediately.

**SECTION VII - PRECAUTIONS FOR SAFE HANDLING AND USE**

**STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:** Remove all sources of ignition (flames, hot surfaces and electrical static or frictional sparks). Avoid breathing vapors and contact with skin. Recover as much free liquid as possible with non-sparking tools. Remove remainder with inert absorbent.

**WASTE DISPOSAL METHOD:** Dispose in accordance with federal, state and local regulations. Do not incinerate closed containers.

**SECTION VIII - CONTROL MEASURES**

**VENTILATION:** Use only in well ventilated area to keep vapor concentration below PEL.

**IF SPRAYED:** Use NIOSH approved self contained breathing apparatus in the pressure demand mode or a supplied air respirator.

**PROTECTIVE GLOVES:** Required for prolonged or repeated contact.

**EYE PROTECTION:** If splash hazard exists, use safety eyewear.

**OTHER PROTECTIVE CLOTHING OR EQUIPMENT:** Use protective garment as required.

**SECTION IX - SPECIAL PRECAUTIONS**

**PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING:** Keep containers closed. Store in well ventilated area. Observe safe handling and storing methods for flammables.

**OTHER PRECAUTIONS:** Containers should be grounded when pouring.

**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 AND OF 40 CFR 372.**

CHEMICAL  
Glycol Ethers

CAS NUMBER  
111-76-2

40.0% by wt.

**DISCLAIMER OF LIABILITY**

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