



MATERIAL SAFETY DATA SHEET

#1027 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.

SECTION I - GENERAL INFORMATION **24 HOUR EMERGENCY TELEPHONE NUMBER: Infotrac 1-800-535-5053**
TRADE NAME: Flexographic Ink
GENERIC NAME: Mixture
CHEMICAL FAMILY: NOT AVAILABLE (MIXTURE)
CAS NO.:
DOT HAZARDOUS MATERIALS PROPER SHIPPING NAME: Ink
DOT HAZARD CLASS: Flammable Liquid
UN/NA ID NO.: UN 1210
HMIS CODES: 3H, 3F, 0R

SECTION II - HAZARDOUS INGREDIENTS

HAZARDOUS COMPONENTS	CAS NUMBER	OCCUPATIONAL EXPOSURE LIMITS		VAPOR PRESSURE		WEIGHT PERCENT
		OSHA PEL	ACGIH TLV	MM HG	@ TEMP	
*Ethylene Glycol Monobutyl Ether	111-76-2	25 PPM	25 PPM	0.6	68°F	4.0
Propylene Glycol Methyl Ether	107-98-2	100 PPM	100 PPM	10.9	77°F	19.3
Ethyl Alcohol	64-17-5	1000 PPM	1000 PPM	48.4	68°F	36.2

*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: 240°F
SPECIFIC GRAVITY (H₂O=1): 0.8
VAPOR DENSITY: >1.0
EVAPORATION RATE (Butyl Acetate): >1.0
MATERIAL V.O.C.: 4.83 LB/GL (579 G/L)
SOLUBILITY IN WATER: Low
APPEARANCE AND ODOR: Black Colored Liquid, Hydrocarbon Odor

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

FLASH POINT: 53°F CC
FLAMMABLE LIMITS IN AIR BY VOLUME: LOWER: 1.0%
EXTINGUISHING MEDIA: Foam, Carbon Dioxide, or Dry Chemical
SPECIAL FIREFIGHTING PROCEDURES: Use water fog to cool containers. Use self-contained breathing apparatus where appropriate to fight fire. Wear protective clothing. Fight fire from safe distance.
UNUSUAL FIRE AND EXPLOSION HAZARDS: Material may explode at temperatures above 150°F. Vapors are heavier than air, may form explosive mixture with air, may travel and ignite or flash back. Explosion-proof equipment should be used. Material is a Class I, flammable liquid (flashpoint less than 100°F) as defined by the National Fire Protection Association (NFPA) criteria and sited in 29 CFR Section 1910.106 (19).

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SECTION V - REACTIVITY DATA

STABILITY: Stable
CONDITIONS TO AVOID: Extreme Heat, Sparks and Open Flames
INCOMPATIBILITY (MATERIALS TO AVOID): Contact with strong acids, alkalis or oxidizers.
HAZARDOUS DECOMPOSITION OR BYPRODUCTS: Acrid smoke, oxides of carbon (carbon monoxide, carbon dioxide), oxides of nitrogen (nitrogen dioxide) may be released as byproducts of combustion.
HAZARDOUS POLYMERIZATION: Will not occur.

SECTION VI - HEALTH HAZARD DATA

INHALATION HEALTH RISKS AND SYMPTOMS OF EXPOSURE: Causes headache, drowsiness, nausea and vomiting if inhaled.

SKIN AND EYE CONTACT HEALTH RISKS AND SYMPTOMS OF EXPOSURE: SKIN: Contact may cause drying/cracking causing irritation. EYES: Contact will cause irritation.

SKIN ABSORPTION HEALTH RISKS AND SYMPTOMS OF EXPOSURE: Prolonged contact may affect the central nervous system characterized by dizziness, weakness, fatigue, nausea, headache, and possible unconsciousness or death.

INGESTION HEALTH RISKS AND SYMPTOMS OF EXPOSURE: If swallowed, causes drunkenness, followed by severe systemic illness.

HEALTH HAZARDS (ACUTE AND CHRONIC): Liquid material in contact with eyes will cause irritation. Vapors may irritate eyes. Prolonged exposure to either liquid or vapors may damage liver.

CARCINOGENICITY: NTP? No IARC MONOGRAPHS? No OSHA REGULATED? No
None currently known.

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: At present, information is not known to manufacturer.

EMERGENCY AND FIRST AID PROCEDURES: EYES: Flush immediately with water for 15 minutes. See a physician. SKIN: Wash with soap and water. Remove contaminated clothing. Consult a physician. INGESTION: Consult a physician or poison control center immediately. Do NOT induce vomiting.

SECTION VII - PRECAUTIONS FOR SAFE HANDLING AND USE

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: Absorb or contain with sand or an absorbent material and dispose in approved manner. Wear appropriate protective equipment which may include chemical resistant gloves, goggles or face shield, apron, and organic vapor respirator.

WASTE DISPOSAL METHOD: Dispose in accordance with federal, state and local regulations. Material may be compatible with industrial waste incineration or inclusion in a fuel blending program. This characterization is subject to approval by your waste management contractor.

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING: Protect container from freezing. Overheating may cause container to rupture, thus covered storage is preferred. Containers should not be stacked more than two high. 55-gallon containers should be moved with appropriate material handling equipment.

OTHER PRECAUTIONS: Do not store or use near heat, sparks, or flame. Store and use only in well-ventilated areas. Do NOT reuse, flame-cut or weld empty containers. Do NOT ingest. Prevent prolonged or repeated breathing of vapor. Avoid skin and/or eye contact.

SECTION VIII - CONTROL MEASURES

VENTILATION: Provide adequate exhaust ventilation at the point of generation to maintain the employees' breathing zone air below the exposure limit listed in Section II.

PROTECTIVE GLOVES: Chemical resistant (Butyl, Neoprene, PVC) recommended particularly where skin

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contact is unavoidable (cleaning up a spill or washing the press).

EYE PROTECTION: Splashproof safety goggles.

OTHER PROTECTIVE CLOTHING OR EQUIPMENT: Typically, usual work clothes will suffice. No impervious protective suit (Tyvek for example) is necessary in order to use this material under normal operating conditions.

WORK/HYGIENIC PRACTICES: Wash hands thoroughly with soap and water before eating, drinking or smoking. Avoid smoking in work area.

SECTION IX - SPECIAL PRECAUTIONS

RESPIRATORY PROTECTION: If necessary, a MSHA/NIOSH approved respirator with cartridges capable of removing organic vapors (per table I-1 29 CFR 1910.134) should be used to protect workers. Typically, a negative pressure demand respirator (half-mask or full-face) will suffice in routine operations; however, they are NOT effective where the maximum use concentration (MUC) is exceeded for a particular cartridge-mask combination. Consult with your safety equipment supplier.

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	CAS NUMBER	CONCENTRATION % PER GALLON
Ethylene Glycol Monobutyl Ether	111-76-2	4.0

DISCLAIMER OF LIABILITY

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