

MATERIAL SAFETY DATA SHEET

#620 BLACK INK
Rev. 2 07/30/03
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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: 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
UN/NA ID NO.: UN 1210
HMIS CODES: 1H, 3F, 0R

SECTION II - HAZARDOUS INGREDIENTS

INGREDIENT	CAS NUMBER	PERCENTAGE	OCCUPATIONAL EXPOSURE LIMITS TLV
Methyl Ethyl Ketone	78-93-3	90-97	200 PPM
n-Propanol	71-23-8	0-3	200 PPM

SECTION III - PHYSICAL DATA

BOILING POINT: N/A
VAPOR PRESSURE: N/A
VAPOR DENSITY (Air=1): >1 (for MEK)
DENSITY: 0.821-0.826
EVAPORATION RATE (N-Butyl Acetate=1): 6.0 (for MEK)
SOLUBILITY IN WATER BY WT: Some
APPEARANCE: Liquid
ODOR: Ketone
MATERIAL V.O.C.: 765-787 Grams/Liter
AUTOIGNITION TEMPERATURE: >842 °F (>450 °C) (for MEK)

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

FLASH POINT: 25°F (-4°C)
METHOD: TCC
EXTINGUISHING MEDIA: Use Water Spray, Alcohol Foam, Dry Chemical or CO₂
SPECIFIC HAZARDS: Flammable liquid. Can release vapors that form flammable mixtures at or above the flashpoint. Vapors may travel a considerable distance to a source of ignition and flash back.

SECTION V - REACTIVITY DATA

STABILITY: Stable
CONDITIONS TO AVOID: Heat, sparks and open flame.
INCOMPATIBILITY (MATERIALS TO AVOID): Contact with strong oxidizing agents.
HAZARDOUS COMBUSTION OR DECOMPOSITION PRODUCTS: Carbon monoxide, carbon dioxide

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SECTION VI - HEALTH HAZARD DATA

MOST IMPORTANT HAZARDS: Flammable liquid and vapor. Irritating to the eyes and respiratory system.

EYE CONTACT: Severely irritating. If not removed promptly, will injure eye tissue, which may result in permanent damage.

SKIN CONTACT: Frequent or prolonged may irritate and cause and dermatitis. Low order of toxicity.

INHALATION: Vapors concentrations above recommended exposure levels are irritating to the eyes and respiratory tract, may cause headaches and dizziness, are anesthetic and may have other CNS effect. Low order of toxicity.

INGESTION: Low order of toxicity. Small amounts of the liquid aspirated into the respiratory system during ingestion, or from vomiting, may cause bronchiopneumonia or pulmonary edema.

ACUTE TOXICITY DATA:

ORAL LD50: 1.87-6.5 G/KG (rat); 4.5 g/kg (mouse)

INHALATION LC50 20,000 ppm/hour (rat)

DERMAL LD50 4.0 g/kg (for MEK) (rabbit)

CHRONIC TOXICITY: There is no evidence that exposure to MEK alone causes progressive or irreversible neurotoxin effects. However, simultaneous overexposure to MEK and N-Hexane can potentiate the known irreversible effects of N-Hexane.

EMERGENCY AND FIRST AID PROCEDURES:

EYE CONTACT: Immediately flush with plenty of water for at least 15 minutes while holding eyelids open. Get medical attention.

SKIN CONTACT: Flush skin with water while removing contaminated clothing and shoes. If irritation occurs, get medical attention. Do NOT re-use clothing or shoes until cleaned.

INHALATION: Remove victim to fresh air and provide oxygen if breathing is difficult. Give artificial respiration if not breathing. Get medical attention.

INGESTION: If swallowed, DO NOT induce vomiting. Keep at rest. Get prompt medical attention.

SECTION VII – PERSONAL PROTECTION

RESPIRATORY PROTECTION: If engineering controls do not maintain concentrations below recommended exposure limits, an approved respirator should be worn. Type: organic vapor.

HAND PROTECTION: Where prolonged or repeated skin contact may occur, impervious gloves should be worn.

EYE PROTECTION: Wear safety glasses with side shields or goggles.

SKIN AND BODY PROTECTION: Recommended Decontamination Facilities; eye bath, safety shower, washing facilities

SECTION VIII – ACCIDENTAL RELEASE MEASURES AND DISPOSAL

PERSONAL PRECAUTIONS: Eliminate all ignition sources.

ENVIRONMENTAL PRECAUTIONS: Prevent liquid from entering sewers, watercourses or low areas.

METHODS OF CLEAN UP: Land Spill: Keep public away. Shut off source if possible to do so without hazard. Contain spilled liquid with sand or earth. Dilute contained spill with water. Recover by pumping or with a suitable absorbent. Consult an expert of disposal of recovered material. Water Spill: Eliminate sources of ignition. Warn occupants and shipping in downwind areas of fire and explosion hazard. Hose over spill to effect dilution of water soluble material.

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DISPOSAL: Dispose of in accordance with all local, state, and federal regulations.

SECTION IX – HANDLING AND STORAGE

HANDLING PRECAUTIONS: Avoid contact with eyes. Wash thoroughly after handling.

SAFE HANDLING ADVICE: Flammable liquid. Keep away from heat, sparks and open flames. This material is not a static accumulator but use proper grounding equipment.

STORAGE CONDITIONS: Keep container closed. Handle containers with care. Store in a cool, well-ventilated area away from incompatible materials. Protect material from direct sunlight.

INCOMPATIBLE PRODUCTS: Strong oxidizing agents.

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
Ethyl Methyl Ketone	78-93-0

DISCLAIMER OF LIABILITY

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