

**MATERIAL SAFETY DATA SHEET**

**#2001 INK - WHITE**

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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:** #2001 INK - WHITE      **PREPARATION DATE:** 09/11/03 - Rev. 4

**SECTION I - GENERAL INFORMATION**

**24 HOUR EMERGENCY TELEPHONE NUMBER:**

**Domestic US/North America: 800-424-9300**

**International (Outside U.S.): 703-527-3887**

**TRADE NAME:** PANNIER "MASTER MARKER"  
**GENERIC NAME:** Ink, Hot Marking  
**CHEMICAL FAMILY:** Mixture  
**CAS NO.:** NOT AVAILABLE (MIXTURE)  
**DOT HAZARDOUS MATERIALS PROPER SHIPPING NAME:** Non-Restricted Article  
**DOT HAZARD CLASS:** Non-Restricted  
**UN/NA ID NO.:** Not Applicable  
**HMIS CODES:** 1H, 0F, 0R

**SECTION II - HAZARDOUS INGREDIENTS**

NONE

**SECTION III - PHYSICAL DATA**

**BOILING RANGE:** 212 °F  
**SPECIFIC GRAVITY (H<sub>2</sub>O=1):** 1.5  
**VAPOR DENSITY:** 1.0  
**EVAPORATION RATE** 1.0

**(Butyl Acetate =1):**

**MATERIAL V.O.C.:** NONE

**SOLUBILITY IN WATER:** 75%

**APPEARANCE AND ODOR:** Moderately Viscous, Odorless

**GENERAL:**

Recommended use temperature 800 °F to 1200 °F.

Maximum use temperature 1300 °F

Continuous mixing and recirculation required.

Purge marking system with water only.

Never purge marking system with air.

Rated non-toxic-nonflammable-non-hazardous.

Excellent weatherability when applied at temperature above 800 °F

Apply at thickness consistent with clarity of mark, at elevated temperatures, excessive application may result in spalling of the applied mark.

Protect from freezing.

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

**FLASH POINT:** NONE  
**METHOD USED:** Not Applicable  
**FLAMMABLE LIMITS IN AIR BY VOLUME:** NONE  
**EXTINGUISHING MEDIA:** NONE  
**SPECIAL FIREFIGHTING PROCEDURES:** NONE  
**UNUSUAL FIRE AND EXPLOSION HAZARDS:** NONE

**SECTION V - REACTIVITY DATA**

**STABILITY:** Stable  
**CONDITIONS TO AVOID:** NONE  
**INCOMPATIBILITY (MATERIALS TO AVOID):** Prolonged contact with aluminum and zinc.  
**HAZARDOUS DECOMPOSITION OR BYPRODUCTS:** Slow release of hydrogen in contact with aluminum and zinc.  
**HAZARDOUS POLYMERIZATION:** Will not occur.

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### **SECTION VI - HEALTH HAZARD DATA**

**INHALATION HEALTH RISKS AND SYMPTOMS OF EXPOSURE:** Essentially no irritation.

**SKIN AND EYE CONTACT HEALTH RISKS AND SYMPTOMS OF EXPOSURE:** SKIN: Prolonged or repeated contact may dry and irritate skin. EYES: Mildly irritating.

**SKIN ABSORPTION HEALTH RISKS AND SYMPTOMS OF EXPOSURE:** NONE

**INGESTION HEALTH RISKS AND SYMPTOMS OF EXPOSURE:** Can cause nausea and vomiting.

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

None Currently Known

**MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE:** NONE

**EMERGENCY AND FIRST AID PROCEDURES:** EYES: Flush immediately with water for 15 minutes. See a physician. SKIN: Flush with water. Consult a physician if irritation persists.

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

**STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:** Begin ordinary clean up procedures.

**WASTE DISPOSAL METHOD:** Mop up and flush to chemical sewer or drain.

**PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING:** Protect containers from freezing.

**OTHER PRECAUTIONS:** In accordance with good industrial practice, handle with care and avoid contact. Wash thoroughly after handling. For industrial use only. Do NOT repackage in aluminum, zinc, or galvanized containers.

### **SECTION VIII - CONTROL MEASURES**

**RESPIRATORY PROTECTION:** None normally required. However, when required its use must be in compliance with all OSHA health and fit testing requirements, as given in 29 CFR 1910.134.

**VENTILATION:** Room ventilation is adequate.

**PROTECTIVE GLOVES:** Recommended for prolonged or repeated contact. Use rubber or plastic.

**EYE PROTECTION:** Safety eyewear is required and should be available to avoid accidental contact.

**OTHER PROTECTIVE CLOTHING OR EQUIPMENT:** NONE

**WORK/HYGIENIC PRACTICES:** Wash hands before eating, drinking or smoking.

### **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 AND OF 40 CFR 372.**

NONE

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