GRADE 2001 INK - WHITE  MATERIAL SAFETY DATA SHEET

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: GRADE 2001 INK
PREPARATION DATE: 09/11/03
Rev. 4

SECTION I - GENERAL INFORMATION
24 HOUR EMERGENCY TELEPHONE NUMBER: INFOTRAC 800-535-5053

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 (H₂O=1): 1.5
VAPOR DENSITY: 1.0
EVAPORATION RATE (Butyl Acetate =1): NONE
MATERIAL V.O.C.: 75%
SOLUBILITY IN WATER: Moderately Viscous, Odorless
APPEARANCE AND ODOR: Recommended use temperature 800°F to 1200°F.
GENERAL: 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 weather ability when applied at temperature above 800°F
Apply at thickness consistent with clarity of mark, at elevated temperatures, excessive application may result in spilling 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 POLMERIZATION: Will not occur.
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

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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