



**MATERIAL SAFETY DATA SHEET**

DATE PREPARED: 10/18/06

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**SECTION I: IDENTIFICATION AND EMERGENCY INFORMATION**

PRODUCT NAME: PIN SERIES 10 Flush  
 MSDS: #1889  
 PHONE NUMBER: 1-888-317-8266  
 EMERGENCY CONTACT: For Emergency Use Only: CHEMTREC 1-800-424-9300, Int'l 703-527-3887

**SECTION II: COMPOSITION, INFORMATION ON INGREDIENTS**

INGREDIENT (CAS No.)	%RANGE	PEL/TLV	TOXICOLOGICAL DATA
Tripropylene glycol,methyl ether (025498-49-1)	80-95	None Est.	3200 mg/kg oral LD50 rats
Triethylene glycol (112-27-6)	5-10	None Est.	

**SECTION III: HEALTH HAZARDS**

Routes of Entry  
 INHALATION: Yes      SKIN ABSORPTION: Yes      INGESTION: Yes      EYES: Yes  
 EFFECTS OF ACUTE EXPOSURE:  
 Skin: Irritation not expected .  
 Eyes: Contact may cause irritation.  
 Inhalation: Inhalation of vapors will not result in respiratory irritation.  
 Ingestion: May result in gastric disturbance.  
 HMIS: HEALTH 1, FLAMMABILITY 1, REACTIVITY 0  
 EFFECTS OF CHRONIC EXPOSURE: None expected based on employee history of exposure.

**SECTION IV: FIRST AID PROCEDURES**

Eye Contact: Flush with water 15 minutes minimum. If irritation persists, get prompt medical attention.  
 Skin Contact: Remove contaminated clothing and wash skin thoroughly with soap and water.  
 Inhalation: Remove person to fresh air. Aid breathing if necessary and get medical attention. Inhalation is unlikely to be a route of entry.  
 Ingestion: If swallowed, dilute with water. Get medical attention.

**SECTION V: FIRE DATA & FIRE FIGHTING MEASURES**

FLAMMABLE LIMITS: LEL: Not established      UEL: Not Established  
 FLASH POINT (Tag Closed cup): 240 degrees C.  
 EXTINGUISHING MEDIA: Use media proper to primary cause of fire.  
 UNUSUAL FIRE AND EXPLOSION HAZARDS: Firefighters should be equipped with self-contained breathing apparatus and turn-out gear.  
 HAZARDOUS COMBUSTION PRODUCTS: Carbon Monoxide  
 NFPA: HEALTH 1, FLAMMABILITY 1, REACTIVITY 0

**SECTION VI: ACCIDENTAL RELEASE MEASURES**

Personal Protective Equipment: Organic vapor respirator, if hot vapors are generated. Rubber gloves and goggles to avoid prolonged contact. Wipe up spills with towels or cloths. Remove stains with soapy water.

**SECTION VII: HANDLING AND STORAGE**

Special Handling Procedures and Equipment: None  
 Storage: No special requirements

**SECTION VIII: EXPOSURE CONTROLS, PERSONAL PROTECTION**

Engineering Controls: Mechanical (General) ventilation is satisfactory  
Personal Protective Equipment: Rubber gloves and goggles to avoid prolonged contact.

**SECTION IX: PHYSICAL DATA**

BOILING POINT: 240°C  
VAPOR PRESSURE - .02 mm Hg  
EVAPORATION RATE - .01 (BuAc=1)  
VAPOR DENSITY - 7.12  
ODOR: Mild odor  
COEFF. OF WATER/OIL DISTRIBUTION - none established

SPECIFIC GRAVITY (H<sub>2</sub>O=1): 0.97  
SOLUBILITY IN WATER: miscible  
pH: n/a  
FREEZING POINT: - 10°C  
COLORS: Clear Liquid

**SECTION X: STABILITY AND REACTIVITY DATA**

STABILITY: Stable  
INCOMPATIBILITY (MATERIALS TO AVOID): None  
HAZARDOUS DECOMPOSITION PRODUCTS: Carbon Monoxide  
HAZARDOUS POLYMERIZATION: Will not occur

REACTIVITY: None

**SECTION XI: TOXICOLOGICAL INFORMATION**

EXPOSURE LIMIT: None established. LD50: 3.2 gm/kg (oral-rat);  
SKIN AND EYE IRRITANCY: can cause eye irritation  
SENSITIZATION, CARCINOGENICITY, REPRODUCTIVE TOXICITY, TERATOGENICITY,  
MUTAGENICITY: Not established. None expected based on employee history of exposure.  
SYNERGISTIC MATERIALS. None known

**SECTION XII: ECOLOGICAL INFORMATION**

None available

**SECTION XIII: DISPOSAL CONSIDERATIONS**

Waste disposal should be in accordance with existing Federal, State, and Local environmental control regulations.

**SECTION XIV: TRANSPORTATION INFORMATION**

Not a hazardous material for DOT shipping.

**SECTION XV: REGULATORY INFORMATION**

This product is regulated under the Hazard Communication Standard (29CFR 1910.1200).

This information relates to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. The information and recommendations contained herein are, to the best of Product Identification Network's knowledge and belief, accurate and reliable as of the date issued. The Product Identification Network makes no warranty, either expressed or implied, with respect to the completeness or continuing accuracy of the information contained herein and disclaims all liability for reliance thereon.

**SECTION XVI: ADDITIONAL INFORMATION**