



**MATERIAL SAFETY DATA SHEET**

DATE PREPARED: 10/18/06

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**SECTION I: IDENTIFICATION AND EMERGENCY INFORMATION**

PRODUCT NAME: PIN SERIES 10 Cleaner

MSDS: #1880

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
Proprietary denatured alcohol (64-17-5)	100%	1000 ppm TWA	6.2 g/kg LD50 oral rat

**SECTION III: HEALTH HAZARDS**

Routes of Entry

INHALATION: Yes                      SKIN ABSORPTION: Yes                      INGESTION: Yes                      EYES: Yes

EFFECTS OF ACUTE EXPOSURE:

Skin: no specific hazards known .

Eyes: Contact may cause irritation.

Inhalation: respiratory irritation, headache, fatigue.

Ingestion: May result in gastric disturbance.

HMIS: HEALTH 1, FLAMMABILITY 3, REACTIVITY 1

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, 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.

Ingestion: If swallowed, dilute with water. Get medical attention.

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

FLAMMABLE LIMITS: LEL: 4 %    UEL: 20%

FLASH POINT (Tag Closed cup): 5 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. Vapors are heavier than air, may cause flashback.

HAZARDOUS COMBUSTION PRODUCTS: Carbon Monoxide

NFPA: HEALTH 1, FLAMMABILITY 3, REACTIVITY 1

**SECTION VI: ACCIDENTAL RELEASE MEASURES**

Personal Protective Equipment: Organic vapor respirator, if hot vapors are generated. Rubber gloves and goggles to avoid prolonged contact.

**SECTION VII: HANDLING AND STORAGE**

Special Handling Procedures and Equipment: Keep containers closed, use adequate ventilation.

Storage: Flammable liquid. Keep away from heat, sparks, flames.

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

Engineering Controls: 10 air changes per hour recommended.  
 Personal Protective Equipment: Rubber gloves and goggles to avoid prolonged contact.

**SECTION IX: PHYSICAL DATA**

BOILING POINT: 80°C	SPECIFIC GRAVITY (H <sub>2</sub> O=1): 0.80
VAPOR PRESSURE - 50 mm Hg	SOLUBILITY IN WATER: miscible
EVAPORATION RATE – 1.7 (BuAc=1)	pH: n/a
VAPOR DENSITY – 1.5 (air=1)	FREEZING POINT: n/a
ODOR: alcohol odor	COLORS: Clear Liquid
COEFF. OF WATER/OIL DISTRIBUTION - none established	

**SECTION X: STABILITY AND REACTIVITY DATA**

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

**SECTION XI: TOXICOLOGICAL INFORMATION**

EXPOSURE LIMIT: 1000 ppm TLV TWA LD50: 6.2 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**

DOT Class 3 flammable liquid. UN NUM: UN 1987 emergency response 28

**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**