



MATERIAL SAFETY DATA SHEET

DATE PREPARED: 10/18/06

Page 1 of 2

SECTION I: IDENTIFICATION AND EMERGENCY INFORMATION

PRODUCT NAME: PIN SERIES 47 Cleaner
 MSDS: #1850
 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
Propylene Glycol (57-55-67)	5-15	None Est.	
Water (7732-18-5)	85-95	None Est.	

SECTION III: HEALTH HAZARDS

Routes of Entry
 INHALATION: No SKIN ABSORPTION: Yes INGESTION: Yes EYES: Yes
 EFFECTS OF ACUTE EXPOSURE:
 Skin: May cause irritation.
 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 0, 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 Applicable UEL: Not Applicable
 FLASH POINT (Tag Closed cup): Not Flammable
 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 0, 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: 93-190°C
VAPOR PRESSURE - Due to H₂O only.
EVAPORATION RATE - Due to H₂O only
VAPOR DENSITY - Due to H₂O only
ODOR: Slight characteristic odor
COEFF. OF WATER/OIL DISTRIBUTION - none established
SPECIFIC GRAVITY (H₂O=1): 1.002 - 1.015
SOLUBILITY IN WATER: Complete
pH: 7.0 - 8.0
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: >5gm/kg (oral-rat); >2gm/kg (dermal rabbit)
SKIN AND EYE IRRITANCY: Non-irritant (Rabbit Tests)
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