

PRO-CHEM, INC.

1475 BLUEGRASS LAKES PKWY.
ALPHARETTA, GA 30004
EMERGENCY/INFO # (800) 241-8180
ADDITIONAL EMERGENCY # INFO TRAC 1-800-535-5053

MATERIAL SAFETY DATA SHEET
PRO TOOLS MP PENETRANT LUBRICANT / 1496
MARCH 2006
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HEALTH	2
FIRE	0
REACTIVITY	0
P.P.E.	B

Complies With USDL Safety and Health Regulations, (29 CFR 1910.200)

SECTION 1 – Chemical and Company Identification

NOTICE: Judgment Based on Indirect Test Data
IDENTIFICATION: Moisture guard

SECTION 2 – Composition on Ingredients

COMPONENTS – CHEMICAL NAMES & COMMON NAMES (Hazardous Components 1% or greater; Carcinogens 0.1% or greater)	CAS #	SARA III LIST	OSHA PEL (ppm)	ACGIH TLV (ppm)	CARCINOGEN REF SOURCE
Trichloroethylene	79-01-6	Yes	50	50	b
Perchloroethylene	127-18-4	Yes	25	25	a,b
Petroleum Distillate	64742-54-7	Yes	5mg/m ³	5mg/m ³	d
Barium Petroleum Sulfonate	61760-48-5	Yes	5mg/m ³	5mg/m ³	d

WARNING: This product contains a chemical or chemicals known to the State of California to cause cancer.

SECTION 3 – Hazards Information

PRIMARY ROUTES OF ENTRY: Inhalation, Skin absorption

ACUTE EFFECTS:

INHALATION: Excessive inhalation of vapors can be harmful and may cause headache, dizziness, asphyxia, anesthetic effects and possible unconsciousness.

EYE CONTACT: Irritation.

SKIN CONTACT: Irritation due to defatting of skin.

INGESTION: Possible chemical pneumonitis if aspirated into lungs. Nausea.

CHRONIC EFFECTS (Effects due to excessive exposure to the raw materials of this mixture): May cause liver abnormalities, kidney, spleen, lung or brain damage, cardiac abnormalities. Perchloroethylene has been shown to increase the rate of spontaneously occurring malignant tumors in certain laboratory rats and mice.

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: May aggravate existing eye, skin, or upper respiratory conditions.

SECTION 4 – First Aid Measures

EYE CONTACT: Flush with water for 15 minutes. If irritated, seek medical attention.

SKIN CONTACT: Wash with soap and water. If irritated, seek medical attention.

INHALATION: Remove to fresh air. Resuscitate if necessary. Get medical attention.

INGESTION: **DO NOT INDUCE VOMITING.** Drink two large glasses of water. Get immediate medical attention.

SECTION 5 – Fire Fighting Measures

FLAMMABILITY as per USA FLAME PROJECTION TEST (aerosols): Non-Flammable

AUTOIGNITION TEMPERATURE: N/E

EXTINGUISHER MEDIA: Foam, dry chemical, carbon dioxide.

FLAMMABILITY LIMITS IN AIR BY % IN VOLUME: %LEL: N/E %UEL: N/E

FLASH POINT & METHOD USED (non-aerosols): N/A

SPECIAL FIRE FIGHTING PROCEDURES: Self-contained breathing apparatus.

UNUSUAL FIRE & EXPLOSION HAZARDS: Do not expose aerosols to temperatures above 130°F or the container may rupture.

SECTION 6 – Accidental Release Measures

STEPS TO BE TAKEN IF MATERIAL IS SPILLED OR RELEASED: Absorb with suitable medium.

Incinerate or landfill according to local, state or Federal regulations. Allow to evaporate if small spill. DO NOT FLUSH TO SEWER.

SECTION 7 – Handling and Storage

PRECAUTIONS TO BE TAKEN IN HANDLING & STORAGE: Do not puncture or incinerate containers. Do not store at temperatures above 130°F.

OTHER PRECAUTIONS &/OR SPECIAL HAZARDS: KEEP OUT OF REACH OF CHILDREN. Avoid food contamination. Avoid inhalation of vapors.

SECTION 8 – Exposure Controls/Personal Protection

RESPIRATORY PROTECTION (specify type): If vapor concentration exceeds TLV, use respirator approved by U.S. Bureau of Mines for organic vapor.

PROTECTIVE GLOVES: Neoprene gloves recommended.

EYE PROTECTION: Safety glasses recommended.

VENTILATION REQUIREMENTS: Adequate ventilation to keep vapor concentration below TLV.

OTHER PROTECTIVE CLOTHING & EQUIPMENT: None.

HYGIENIC WORK PRACTICES: Wash with soap and water before handling food. Remove contaminated clothing.

SECTION 9 – Physical and Chemical Properties

BOILING POINT:	N/A	SPECIFIC GRAVITY (H20=1): Concentrate Only =	1.44
VAPOR DENSITY (AIR=1):	N/E	VAPOR PRESSURE: PSIG@70°F (Aerosols):	85-100
SOLUBILITY IN WATER:	Insoluble	VAPOR PRESSURE (Non-Aerosols)(mmHg & Temp.):	N/A
WATER REACTIVE:	No	EVAPORATION RATE (n-butyl acetate=1): (concentrate only):	2.1
APPEARANCE & ODOR:	Light brown color with chlorinated solvent odor.		

SECTION 10 – Stability and Reactivity

STABILITY: Stable

HAZARDOUS POLYMERIZATION: Will not occur

INCOMPATIBILITY (Mat. To avoid): Reactive metals, aluminum, magnesium, strong oxidizing agents.

CONDITIONS TO AVOID: Open flame, welding arcs, heat.

HAZARDOUS DECOMPOSITION PRODUCTS: CO₂, CO, HCl, small amounts of phosgene and chlorine.

SECTION 11 – Toxicological Information

No Data Available

SECTION 12 – Ecological Information

No Data Available

SECTION 13 – Disposal Consideration

WASTE DISPOSAL METHODS: Aerosol cans when vented to atmospheric pressure through normal use, pose no disposal hazard.

SECTION 14 – Transport Information

DOT HAZARD CLASSIFICATION: ORM-D

SECTION 15 – Regulatory Information

NFPA RATING: HEALTH-2; FLAMMABILITY-0; REACTIVITY-0; SPECIAL-0

We believe the statements, technical information and recommendations contained herein are reliable, but they are given without warranty or guarantee of any kind.

**** Chemical Listed as Carcinogen or Potential Carcinogen. [a] NTP [b] IARC Monograph [c] OSHA [d] Not Listed [e] Animal Data Only**

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