


SAFETY DATA SHEET

1. Product and Company Identification			
PRODUCT NUMBER:	1496	COMPANY PHONE:	1-800-241-8180
PRODUCT NAME:	PRO TOOLS MP PENETRANT LUBRICANT	EMERGENCY TELEPHONE:	1-800-535-5053
PRODUCT DESCRIPTION:	Aerosol Multi-purpose Penetrant, Lubricant & Demoisturant	INFOTRAC:	1-800-535-5053
COMPANY INFORMATION:	PRO CHEM, INC. 1475 Bluegrass Lakes Parkway Alpharetta, GA 30004		

2. Hazards Identification			
GHS CLASSIFICATION: Dissolved Gas Skin Irritant: Category 2 Skin Sensitization: Category 1 Specific Target Organ Toxicity (Single Exposure): Category 3 Carcinogenicity: Category 1B Aspiration Hazard: Category 1	SIGNAL WORD: DANGER	SYMBOL:	
HAZARD STATEMENTS: Contains gas under pressure. May explode if heated. Causes skin irritation. May cause respiratory irritation, drowsiness or dizziness. Suspected of causing cancer. May be fatal if swallowed and enters airways. May cause an allergic skin reaction. This product contains the following percentage of chemicals of unknown toxicity: 0%			
PRECAUTIONARY STATEMENTS: Prevention: Keep away from heat, sparks, open flames, and hot surfaces. No smoking. Do not spray on an open flame or other ignition source. Pressurized container: Do not pierce or burn, even after use. Wash hands thoroughly after handling. Wear protective gloves/clothing and eye/face protection. Response. IF ON SKIN: Wash with plenty of water. If skin irritation or rash occurs: Get medical attention. Take off contaminated clothing and wash before reuse. Contaminated work clothing must not be allowed out of the workplace. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. If exposed or concerned: Get medical attention. Avoid breathing fumes, mist, vapors, and spray. Use only outdoors or in a well-ventilated area. IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a poison center or doctor if you feel unwell. If swallowed: Immediately call a poison center or doctor. Do NOT induce vomiting. Storage: Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F. Store in a well-ventilated place. Disposal: Dispose of contents and container in accordance with local, state and national regulations.			
HAZARDS NOT OTHERWISE SPECIFIED: Not available.			

3. Composition / Information on Ingredients		
Chemical Name	CAS	Concentration % by Weight
Carbon Dioxide	124-38-9	1-5%
Tetrachloroethylene	127-18-4	60-85%
Mineral Seal Oil	64741-44-2	5-10%

4. First Aid Measures
EMERGENCY OVERVIEW EYES: Remove contact lenses. Flush with water for at least 15 minutes. See a physician if irritation persists. SKIN: Immediately wash with soap and water for 15 minutes. Remove contaminated clothing and shoes immediately. Seek medical attention if irritation persists.
INHALATION: Move to fresh air. If breathing is difficult, administer oxygen. Seek immediate medical attention.
INGESTION: Rinse mouth with water. Do not induce vomiting unless directed by medical authority. Seek medical attention.
ACUTE HEALTH HAZARDS: Eyes: redness, tearing, blurred vision. Skin: Defatting and dermatitis. Inhalation: Anesthetic, irritation, Central Nervous System depression. Oral: Abdominal irritation, nausea, vomiting and diarrhea. Aspiration risk.
CHRONIC HEALTH HAZARD: Possible cancer causing agent and overexposure may also include damage to skin, kidneys, liver, lungs, blood or central nervous systems. May cause dizziness, headache, nausea, mental confusion or visual disturbances.
NOTE TO PHYSICIAN: Do not administer adrenaline or epinephrine to a victim of chlorinated solvent poisoning. This product contains ingredients that may be anticipated to be a carcinogen.

5. Fire-Fighting Measures

SUITABLE FIRE EXTINGUISHING MEDIA:

Dry chemical, foam, or Carbon Dioxide (CO₂).

UNSUITABLE FIRE EXTINGUISHING MEDIA:

Water spray/stream.

SPECIFIC HAZARDS ARISING FROM THE CHEMICAL:

Contents under pressure. Exposure to temperatures above 120°F may cause bursting.

HAZARDOUS THERMAL DECOMPOSITION PRODUCTS:

Oxides of carbon, chlorine, hydrogen chloride and phosgene.

SPECIFIC FIRE-FIGHTING METHODS:

Use water spray only to cool exposed containers.

SPECIAL PROTECTIVE EQUIPMENT FOR FIREFIGHTERS:

Wear NIOSH approved Self Contained Breathing Apparatus with a full face piece operated in a positive pressure demand mode with full body protective clothing when fighting fires.

6. Accidental Release Measures

PERSONAL PRECAUTIONS:

Refer to section VIII for proper Personal Protective Equipment.

METHODS AND MATERIALS FOR CONTAINMENT AND CLEANUP:

SPILL: Use absorbent on spill, sweep to clean. Dispose in accordance with local, state and federal laws. Small releases may be wiped up with wiping material.

Waste Disposal: Dispose of in accordance with federal, state and local regulations. Do not dump in sewers. Wrap container and place in trash collection, do not puncture, incinerate or reuse container.

RCRA STATUS: Waste solvent likely considered U210 (Tetrachloroethylene) under RCRA, however product should be fully characterized prior to disposal (40 CFR 261).

7. Handling and Storage

SAFE STORAGE AND INCOMPATIBILITIES:

Pressurized Container: Do not pierce or burn, even after use. Protect from sunlight. Store in a well ventilated place. Do not expose to temperatures exceeding 50°C/122°F. Keep out of the reach of children.

Incompatibility: Strong acids, strong alkalis, strong oxidizing agents, chemically active metals, such as aluminum, barium, lithium, sodium, magnesium, potassium, titanium, beryllium, concentrated nitric acid some plastics, rubbers and coatings.

Other Precautions: Keep out of reach of children.

8. Exposure Controls / Personal Protection

Hazardous Ingredients	OSHA PEL	ACGIH TLV
Carbon Dioxide	5000 ppm	5000 ppm
Tetrachloroethylene	100 ppm	25 ppm
Mineral Seal Oil	5 mg/m ³	200 mg/m ³

PERSONAL PROTECTIVE EQUIPMENT: Safety glasses, gloves and synthetic apron.



Respiratory Protection: Wear NIOSH/MSHA approved organic vapor respiratory protection if used in confined, poorly ventilated areas.

General Hygiene Considerations: Wash hands thoroughly after handling.

APPROPRIATE ENGINEERING CONTROLS:

Material is heavier than air. Material may concentrate in low lying areas. Normal, forced ventilation required to meet TLV requirements. Local exhaust ventilation is generally preferred.

9. Physical & Chemical Properties

Appearance:	Clear, Yellow Aerosol Spray.	Flammability Limit-lower (%):	Not determined.
Odor:	Chlorinated solvent odor.	Flammability Limit-upper (%):	Not determined.
Odor Threshold:	Not determined.	Explosive Limit-Lower:	Not determined.
pH:	Not applicable.	Explosive Limit-Higher:	Not determined.
Melting/Freezing Point:	Not determined.	Vapor Density (AIR=1):	Not determined.
Initial Boiling Point and Range:	>188°F (87°C).	Vapor Pressure (mm Hg):	Not determined.
Viscosity:	Not determined.	Solubility (water):	0%
Flash Point:	Not determined.	Auto-Ignition Temp:	Not determined.
Relative Density (H2O=1):	1.40 - 1.55 @ 77°F (25°C).	Decomposition Temp:	Not determined.
Evaporation Rate:	Not determined.	Partition Coeff(n-octanol/water):	Not determined.
Flammability(solid/gas):	Not considered a flammable aerosol or an extremely flammable aerosol by OSHA (29CFR 1910.1200).		

10. Stability & Reactivity Information

REACTIVITY:

Chemically active metals and bases.

CHEMICAL STABILITY:

Stable.

POSSIBILITY OF HAZARDOUS REACTIONS:

None known.

CONDITIONS TO AVOID:

Temperatures greater than 122°F may cause bursting.

INCOMPATIBLE MATERIALS:

Strong acids, strong alkalis, strong oxidizing agents, chemically active metals, such as aluminum, barium, lithium, sodium, magnesium, potassium, titanium, beryllium, concentrated nitric acid some plastics, rubbers and coatings.

HAZARDOUS DECOMPOSITION PRODUCTS:

Oxides of carbon, chlorine, hydrogen chloride and phosgene.

11. Toxicological Information**PRIMARY ROUTE OF ENTRY:** Eyes, Ingestion, Inhalation, Skin

Eyes: Causes severe irritation, redness, tearing, pain, visual disturbance, may cause eye damage.

Skin: Irritation likely, redness and pain. May cause localized defatting, blistering with prolonged skin contact. May be absorbed through the skin.

Inhalation: Irritation to respiratory tract, dizziness, headache, nausea, depression of central nervous system, prolonged exposure may cause unconsciousness, heart effects, liver effects, kidney effects and death.

Ingestion: Causes gastrointestinal irritation, headaches, nausea, diarrhea, vomiting, abdominal cramps.

ACUTE TOXICITY:

Eyes: Redness, tearing, blurred vision.

Skin: Defatting and dermatitis.

Inhalation: Anesthetic, irritation, Central Nervous System depression.

Oral: Abdominal irritation, nausea, vomiting and diarrhea. Aspiration risk.

Components	Species	Test Results
Tetrachloroethylene (127-18-4)		
Acute <i>Inhalation</i> LC50	Mouse	(8hr) 34200 mg/m ³
<i>Oral</i> LD50	Rat	2629 mg/kg
Mineral Seal Oil (64741-44-2)		
Acute <i>Dermal</i> LD50	Rabbit	2000 mg/kg
<i>Oral</i> LD50	Rat	5000 mg/kg

MEDICAL CONDITIONS AGGRAVATED:

Excessive exposure will aggravate pre-existing disorders of eyes, skin, respiratory, liver, kidney, cardiovascular system, pulmonary illnesses, or central nervous system.

CARCINOGENICITY:

OSHA: Yes

ACGIH: A2 - Suspected

NTP: 2 - Anticipated

IARC: 2A - Probable

OTHER: CA Prop 65

CHRONIC EFFECTS:

Possible cancer causing agent and overexposure may also include damage to skin, kidneys, liver, lungs, blood or central nervous systems. May cause dizziness, headache, nausea, mental confusion or visual disturbances.

12. Ecological Information**ECOTOXICITY:**

Not established.

PERSISTENCE AND DEGRADABILITY:

Component or components of this product are not biodegradable.

BIOACCUMULATIVE POTENTIAL:

Components in this mixture can bioaccumulate in aquatic organisms.

MOBILITY IN SOIL:

This product is mobile in soil.

OTHER ADVERSE EFFECTS:

This material is toxic to aquatic life.

13. Disposal Consideration**DISPOSAL INSTRUCTIONS:**

Dispose of in accordance with federal, state and local regulations. Do not dump in sewers. Wrap container and place in trash collection, do not puncture, incinerate or reuse container.

RCRA STATUS:

Waste solvent likely considered U210 (Tetrachloroethylene) under RCRA, however product should be fully characterized prior to disposal (40 CFR 261).

14. Transportation Information

DOT: UN Number: UN1950
UN Proper Shipping Name: Aerosols, Ltd. Qty.
Transport Hazard Class(es):
Class: 2.2 (6.1)
Packing Group: Not applicable.

IATA: UN Number: UN1950
UN Proper Shipping Name: Aerosols, Non-Flammable, Toxic, Containing Substances in Division 6.1 Packaging Group III
Transport Hazard Class(es):
Class: 2.2 (6.1)
Subsidiary risk: -
Packing Group: Not applicable.

IMDG: UN Number: UN1950
UN Proper Shipping Name: Aerosols, Toxic
Transport Hazard Class(es):
Class: 2.2 (6.1)
Packing Group: Not applicable.
Environmental Hazards: Marine Pollutant

15. Regulatory Information

US FEDERAL REGULATIONS:

TSCA STATUS: All Chemicals are listed or exempt.

CERCLA (Comprehensive Response Compensation and Liability COMPENSATION, AND LIABILITY ACT):

Tetrachloroethylene (127-18-4) Reportable Quantity = 100 lbs.

SARA 311/312 Hazard Categories: Acute Health, Chronic Health.

SARA 313 Reportable Ingredients: Tetrachloroethylene (127-18-4)

US STATE REGULATIONS:

This product can expose you to chemicals including Tetrachloroethylene which is known to the State of California to cause cancer. For more information go to www.P65Warnings.ca.gov.

VOLATILE ORGANIC COMPOUNDS (VOC): 0%

16. Other Information

DISCLAIMER:

To the best of our knowledge, information contained herein is accurate. However, there is no assumption of liability for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazard, which exists. The information contained in this SDS was obtained from current and reliable sources; however, the data is provided without any warranty, expressed or implied, regarding its correctness or accuracy. Since the conditions or handling, storage and disposal of this product are beyond the control of the manufacturer, the manufacturer will not be responsible for loss, injury, or expense arising out of the products improper use. No warranty, expressed or inferred, regarding the product described in this SDS shall be created or inferred by any statement in this SDS. Various government agencies may have specific regulations regarding the transportation, handling, storage, use, or disposal of this product, which may not be covered by this SDS. The user is responsible for full compliance.