

Issue Date: 16-Jul-2015

Revision Date: 05-Feb-2020

Version 2

1. IDENTIFICATION

Product Identifier

Product Name PENETRATING LUBE (AEROSOL)

Other means of identification

SDS #

ITEM# M-25500
M-25510

UN/ID No UN 1950

Recommended use of the chemical and restrictions on use

Recommended Use Penetrating Lubricant

Details of the supplier of the safety data sheet

Supplier Address
Ashburn Chemical Technologies
7403 Wright Rd
Houston, TX 77041

Emergency Telephone Number

Company Phone Number 832-399-1000
Emergency Telephone (24 hr) INFOTRAC 1-352-323-3500 (International)
1-800-535-5053 (North America)

2. HAZARDS IDENTIFICATION

Classification

Skin irritant	Category 2
Eye Irritant	Category 2A
STOT (single exposure)	Category 3
Carcinogenicity	Category 1B
Aspiration Hazard	Category 1

Signal Word

DANGER



Hazard Statements

H280: Contains gas under pressure: May explode if heated
H315 + 319: Causes skin and serious eye irritation
H335 + H336: May cause respiratory irritation, drowsiness or dizziness.
H350: May cause cancer
H304: May be fatal if swallowed and enters airways

Precautionary Statements - Prevention

P201: Obtain special instructions before use.
P202: Do not handle until all safety precautions have been read and understood.
P210: Keep away from heat, sparks, open flames, and hot surfaces. -No smoking.
P211: Do not spray on an open flame or other ignition source.
P251: Pressurized container: Do not pierce or burn, even after use.
P261: Avoid breathing fumes, mist, vapors, and spray.
P264: Wash hands thoroughly after handling.
P271: Use only outdoors or in a well-ventilated area.
P280: Wear protective gloves, eye protection, and protective clothing.

Precautionary Statements – Response

P308 + P313: If exposed or concerned: Get medical attention.
P302 + P350: If on skin: Wash with plenty of water.
P332 + P313: If skin irritation occurs: Get medical attention.
P362: Take off contaminated clothing and wash before reuse.
P305 + P351 + P338: If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P337 + P313: If eye irritation persists: Get medical attention.
P301 + P310: If swallowed: Immediately call a poison center or doctor.
P331: Do NOT induce vomiting.
P304 + P340: IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
P311: Call a poison center or doctor if you feel unwell.

Precautionary Statements – Storage

P410 + P412: Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F.
P403: Store in a well-ventilated place.

Precautionary Statements – Disposal

P501: Dispose of contents and container in accordance with local, state, and national regulations.

Hazard Not Otherwise Classified (HNOC): N/A

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS No	Weight-%
Carbon Dioxide	124-38-9	1-5
Mineral Seal Oil	64741-44-2	5-10
Tetrachloroethylene	127-18-4	60-85

If Chemical Name/CAS No is "proprietary" and/or Weight-% is listed as a range, the specific chemical identity and/or percentage of composition has been withheld as a trade secret.

4. FIRST-AID MEASURES**First Aid Measures****General Advice**

Provide this SDS to medical personnel for treatment.

Eye Contact	Remove contact lenses. Flush with water for at least 15 minutes. See a physician if irritation persists.
Skin Contact	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.

Most important symptoms and effects

Acute Health Hazard	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.
Notes 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 Extinguishing Media Dry chemical, foam, or Carbon Dioxide (CO2).

Unsuitable Extinguishing Media Water spray/stream.

Specific Hazards Arising from the Chemical

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

Hazardous Combustion Products Oxides of carbon, chlorine, hydrogen chloride and phosgene.

Protective equipment and precautions 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. Use water spray only to cool exposed containers.

6. ACCIDENTAL RELEASE MEASURES**Personal precautions, protective equipment and emergency procedure**

Personal Precautions See Section 8 for Personal Protective Equipment.

Environmental Precautions See Section 12 for additional Ecological Information.

Spill

Methods for Clean-Up 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

Advice on Safe Handling	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.
Other precautions	Keep out of the reach of children.
Incompatible Materials	Keep away from 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.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Guidelines

Chemical Name	ACGIH TLV	OSHA PEL
Carbon Dioxide	5000 ppm	5000 ppm
Mineral Seal Oil	200 mg/m3	5 mg/m3
Tetrachloroethylene	25 ppm	100 ppm

Appropriate engineering controls

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
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Individual protection measures, such as personal protective equipment

Personal Protective Equipment	Safety glasses, chemical resistant gloves and synthetic apron.
Respiratory Protection	Wear NIOSH/MSHA approved organic vapor respiratory protection if used in confined, poorly ventilated area.
Additional Measures	Wash hands thoroughly after handling

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Physical State	Aerosol	Odor	Chlorinated solvent odor
Appearance	Clear	Odor Threshold	Not determined
Color	yellow		
Property	Values	Remarks • Method	
Melting Point	Not determined		
Boiling Point	> 188°F / 87 °C		
Freezing Point	Not determined		
Flammability	Not considered flammable aerosol		
Flash Point	Not determined		
Auto-ignition Temperature	Not determined		
Upper / Lower Flammability Limit	Not determined		
Vapor Pressure (mm Hg)	Not determined		
Vapor Density	Not determined	(Air = 1)	
Evaporation Rate	Not determined		
Specific Gravity	1.40 - 1.55	@ 77°F / 25°C	
pH	N/A		
Decomposition Temperature	0%		
Water Solubility	0%		
Solubility in other solvents	Not determined		
Partition Coefficient	Not determined	n-Octanol/Water (K _{ow})	
Volatile Organic Compounds (Voc)	0%		

Viscosity Not determined

10. STABILITY AND REACTIVITY

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

Routes of Entry Eyes, Ingestion, Inhalation, Skin

Information on likely routes of exposure

Eye Contact Causes severe irritation, redness, tearing, pain, visual disturbance, may cause eye damage.

Skin Contact 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.

Component Information

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Mineral Seal Oil (64741-44-2)	5000 mg/kg (Rat)	2000 mg/kg (Rabbit)	-
Tetrachloroethylene (127-18-4)	2629 mg/kg (Rat)	3228 mg/kg (Rabbit)	5200 ppm (mouse) 4 hr 34200 mg/m3 (Rat) 8 hr

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

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 hazards 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

Carcinogenicity OSHA: Yes ACGIH: A2 - Suspected NTP: 2 – Anticipated
IARC: 2A - Probable OTHER: CA Prop 65

12. ECOLOGICAL INFORMATION

Ecotoxicity	Not established
Persistence/Degradability	Component(s) of this product are not biogradable.
Bioaccumulation	Components in this mixture can bioaccumulate in aquatic organisms
Mobility	This product is mobile in soil.
Other Ecological Hazard	This material is toxic to aqua life.

13. DISPOSAL CONSIDERATIONS

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

14. TRANSPORT INFORMATION**DOT**

Proper Shipping Name	Aerosols, Ltd. Qty
UN/ID No	UN1950
Hazard Class / Division	2.2 (6.1)

Air shipment

Proper Shipping Name	Aerosols, Non-Flammable, Toxic, Containing Substances in Division 6.1 PG III
UN/ID No	UN1950
Hazard Class / Division	2.2 (6.1)

IMO/IMDG

Proper Shipping Name	Aerosols, Toxic
UN/ID No	UN1950
Hazard Class / Division	2.2 (6.1)
Environmental Hazard Water	Marine Pollutant

15. REGULATORY INFORMATION**International Regulations**

Tetrachloroethylene (127-18-4)
WHMIS (Canada) Class D-1B: Material causing Immediate and serious toxic effects (TOXIC). Class D-2A: Material causing other toxic effects (VERY TOXIC).

US Federal Regulations

TSA STATUS All Chemicals are listed or exempt.

CERCLA **Tetrachloroethylene** (127-18-4) Reportable Quantity = 100 lb

SARA 311/312 Hazard Categories **Acute Health, Chronic Health**

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

California Prop 65 Warning Statement:

WARNING: This product can expose you to chemicals, including Tetrachloroethylene (127-18-4), which is known to the state of California to cause cancer. See www.P65Warnings.ca.com for additional information.

16. OTHER INFORMATION**NFPA****Health Hazards**

2

Flammability

1

Instability

0

Special Hazards

None

HMIS**Health Hazards**

2

Flammability

1

Physical Hazards

0

Personal Protection

C

Issue Date:

16-Jul-2015

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Revision Note:

Revised to match Vendor SDS

Disclaimer

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

End of Safety Data Sheet