



Material Safety Data Sheet

Revision Date 15-May-2007

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product code 86137
Product name Non-Flammable Penetrating Oil
Recommended Use Lubricant
Supplier Lawson Products, Inc.
1666 East Touhy Avenue
Des Plaines, IL 60018
(847)-827-9666

Emergency telephone number (888) 426-4851

2. HAZARDS IDENTIFICATION

Emergency Overview Irritant.		
Color Colorless	Odor Solvent	Form Aerosol

Aggravated Medical Conditions None Known.

Principal Routes of Exposure Eyes. Skin contact. Inhalation.

Potential health effects

- Eyes** May cause the following effects: Irritation. Redness. Itching. Burning sensation.
- Skin** Repeated or prolonged exposure may cause: Skin Irritation. Redness. Itching. Burning sensation.
- Inhalation** Repeated or prolonged exposure may cause the following effects. Headaches. Dizziness. Nausea. Upper respiratory tract irritation. Central nervous system effects. Loss of coordination. Extreme overexposure may cause. Possible unconsciousness. Death.
- Ingestion** May be harmful if swallowed.

3. COMPOSITION/INFORMATION ON INGREDIENTS

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Chemical Name	CAS-No	Weight %
Petroleum distillates, hydrotreated heavy naphthenic	64742-52-5	10-30
Tetrachloroethylene	127-18-4	60-100
Carbon Dioxide	124-38-9	1-5

4. FIRST AID MEASURES

Eye contact	Flush with plenty of water for at least 15 minutes. Seek medical attention.
Skin contact	Wash off immediately with soap and plenty of water. Remove and wash contaminated clothing before re-use.
Ingestion	Do not induce vomiting. Immediate medical attention is required.
Inhalation	Remove from exposure. Restore breathing. Keep warm and quiet. Consult a physician.

5. FIRE FIGHTING MEASURES

Flash point °C	> 39
Flash point °F	> 200
Method	Pensky-Martens C.C.

Autoignition temperature °C	No data available
Autoignition temperature °F	No data available

Flammability Limits (% in Air)

Upper	No data available
Lower	No data available

Suitable extinguishing media

Carbon dioxide (CO₂). Dry chemical. Foam.

Special protective equipment for firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

Fire and Explosion Hazards

Keep product and empty container away from heat and sources of ignition. Water should be used to cool closed containers to prevent pressure build-up and possible autoignition or explosion when exposed to extreme heat. In the event of fire and/or explosion do not breathe fumes. During emergency conditions, overexposure to decomposition products may cause a health hazard. Symptoms may not be immediately apparent. Obtain medical attention. Water spray may be ineffective. If water is used, fog nozzles are preferable. Firefighters should wear NIOSH/MSHA approved (or equivalent) self-contained pressure-demand breathing apparatus and full protective clothing.

Sensitivity to shock

No information available.

Sensitivity to static discharge

No information available.

6. ACCIDENTAL RELEASE MEASURES

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Methods for cleaning up

Eliminate all sources of ignition. Ventilate area to maintain exposure below permissible exposure limits. Soak up with inert absorbent material.

7. HANDLING AND STORAGE

Handling

Keep in a well-ventilated place. Turn off other sources of ignition prior to use and until all vapors have dissipated. Vapors may accumulate readily and may ignite explosively. Remove all sources of ignition. Keep away from open flame. Do not smoke. Check to make sure that all equipment is properly grounded and installed to satisfy electrical classification requirements. Contents under pressure. Do not puncture or incinerate. Heat from sunlight, radiators, stoves, hot water, and other heat sources could cause container to burst. Do not take internally. Keep out of reach of children.

Storage

Store in temperatures below 120 degrees F.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure limits

Chemical Name	OSHA PEL (TWA)	OSHA PEL (Ceiling)	ACGIH OEL (TWA)	ACGIH OEL (STEL)
Tetrachloroethylene	100 ppm	200 ppm	25 ppm	100 ppm
Petroleum distillates, hydrotreated heavy naphthenic	-	-	-	-
Carbon Dioxide	5000 ppm exposures < 10,000 ppm to be cited de minimus 9000 mg/m ³	-	5000 ppm	30000 ppm

Ventilation and Environmental Controls

Provide local exhaust ventilation. General: as necessary.

Hygiene measures

Wash hands before breaks and immediately after handling the product. Avoid contact with skin, eyes and clothing.

Personal protective equipment

Respiratory protection

Wear a NIOSH approved organic vapor/particulate respirator. Use a positive pressure supplied air respirator. if there is any potential for an uncontrolled release. where exposure levels are not known. or other circumstances where an air purifying respirator (P100) may not provide adequate protection .

Hand Protection

Gloves are not required in normal use. The following gloves are recommended for prolonged or repeated contact: .
Chemical resistant gloves.

Eye protection

Wear safety glasses with side shields.

Skin and body protection

None necessary under normal conditions

9. PHYSICAL AND CHEMICAL PROPERTIES

Form	Aerosol	Color	Colorless
Odor	Solvent	Odor Threshold	No information available
pH	Not Applicable	Specific Gravity	1.37
Vapor pressure	No data available	Vapor density	>1 (air=1)
Evaporation Rate	>1 (Ether =1)	Density	11.40 lbs/gal
VOC Content	0	Water solubility	No data available
Partition Coefficient (n-octanol/water)	Not Applicable		
Boiling point/range °C	< -18 - 122	Boiling point/range °F	< 0 - 252
Melting point/range °C	No data available	Melting point/range °F	No data available
Flash point °C	> 39	Flash point °F	> 200

10. STABILITY AND REACTIVITY

Stability

Stable.

Conditions to avoid

None known.

Incompatibility

None known.

Hazardous Decomposition Products

Carbon dioxide. Carbon monoxide. Hydrogen chloride.

Polymerization

Will not occur.

11. TOXICOLOGICAL INFORMATION

Component Information

Chemical Name	LD50 (oral, rat)	LD50 (dermal, rat/rabbit)	LC50 (inhalation, rat)
<i>Tetrachloroethylene</i> 127-18-4	2629 mg/kg	-	5200 mg/kg
<i>Petroleum distillates, hydrotreated heavy naphthenic</i> 64742-52-5	5000 mg/kg	2000 mg/kg	2.18 mg/L
<i>Carbon Dioxide</i> 124-38-9	-	-	836 ppm

Synergistic Products

None known

Potential health effects

Sensitization

None known

Chronic toxicity

See Section 2 .

Mutagenic effects

None known

Teratogenic effects

None known

Reproductive toxicity

None known

Target Organ Effects

None Known

Carcinogenic effects

NTP and IARC have determined that exposure to tetrachloroethylene (perchloroethylene) is reasonably anticipated to be carcinogenic to humans (IARC Group 2A). Risk of cancer depends on duration and level of exposure. .

Chemical Name	ACGIH OEL - Carcinogens	IARC	NTP - Known Carcinogens	NTP - Suspected Human Carcinogens	OSHA RTK Carcinogens
Tetrachloroethylene	Listed	Group 2A	Not Listed	Listed	Listed
Petroleum distillates, hydrotreated heavy naphthenic	Not Listed	Not Listed	Not Listed	Not Listed	Not Listed
Carbon Dioxide	Not Listed	Not Listed	Not Listed	Not Listed	Not Listed

12. ECOLOGICAL INFORMATION

Tetrachloroethylene

Microtox Data

Photobacterium phosphoreum EC50=120.0 mg/L (30 min)

13. DISPOSAL CONSIDERATIONS

Disposal Information

As supplied, this product is a RCRA Hazardous Waste . This product contains tetrachloroethylene, a highly volatile solvent which is a toxic waste as defined by RCRA ,40 CFR 261 (United States) . In normal use this chemical will quickly evaporate.However, grease or other residue removed by this product may contain sufficient tetrachloroethylene to be classified as a toxic waste. Do not puncture or incinerate. Depressurize before disposal.

Waste from residues / unused products

Dispose in accordance with federal, state, and local regulations.

14. TRANSPORT INFORMATION

DOT

UN1950 Aerosols (Tetrachloroethylene/Petroleum distillates),Class 2.2(6.1), Marine Pollutant, RQ

Exception: (Compressed Gas not more than 1.0L) Consumer Commodity ORM-D

TDG

14. TRANSPORT INFORMATION

UN1950 Aerosols (Tetrachloroethylene/Petroleum distillates), Class 2.2(6.1) Consumer Commodity, ORM-D

IMDG/IMO

UN1950 AEROSOLS (Tetrachloroethylene/Petroleum distillates), Class 2.2 (6.1) Marine Pollutant

IATA

UN1950 Aerosols, non-flammable, containing substances in Division 6.1, Packing Group III (Tetrachloroethylene/Petroleum distillates), Class 2.2 (6.1)

MEX

UN1950 AEROSOLES (Tetrachloroetileno/Destilado de petroleo),2.2(6.1)

15. REGULATORY INFORMATION

Chemical Name	US EPA SARA 313 Emission Reporting
Tetrachloroethylene	Listed

Chemical Name	New Jersey - RTK	Pennsylvania - RTK	California Prop. 65
Tetrachloroethylene	Listed	Listed	Carcinogen
Petroleum distillates, hydrotreated heavy naphthenic	Not Listed	Not Listed	Not Listed
Carbon Dioxide	Listed	Listed	Not Listed

Chemical Name	EINECS	DSL	NDSL	TSCA
Tetrachloroethylene	X	X	-	X
Petroleum distillates, hydrotreated heavy naphthenic	X	X	-	X
Carbon Dioxide	X	X	-	X

CPRC

This product has been classified in accordance with the hazard criteria of the Controlled Product Regulations and the MSDS contains all of the information required by the Controlled Product Regulations

16. OTHER INFORMATION

NFPA		HMIS	
Health	-	Health	2
Flammability	-	Flammability	2
Reactivity	-	Physical Hazard	0

Prepared By

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The information accumulated herein is believed to be accurate, but is not warranted to be, whether originating with the company or not. Recipients are advised to confirm in advance of need that the information is current, applicable, and suitable to their circumstances.