



Material Safety Data Sheet

Revision Date 09-Mar-2005

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 Inhalation. Eyes. Skin contact.

Potential health effects

Eyes 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

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	No information available

Autoignition temperature °C	No data available
Autoignition temperature °F	

Flammability Limits (% in Air)	
Upper	No data available
Lower	No data available

Specific Information for Aerosol Products

Flame extension	Unknown
Flashback	Unknown

Suitable extinguishing media

Carbon dioxide (CO₂). Dry chemical. Foam.

Extinguishing media which must NOT be used for safety reasons

No information available.

Special Fire-Fighting Procedures

Water spray may be ineffective. If water is used, fog nozzles are preferable. Water should be used to cool closed containers to prevent pressure build-up and possible autoignition or explosion when exposed to extreme heat.

Fire and Explosion Hazards

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

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)
Carbon Dioxide	5000 ppm exposures < 10,000 ppm to be cited de minimus 9000 mg/m ³	-	5000 ppm	30,000 ppm
Tetrachloroethylene	100 ppm	200 ppm	25 ppm	100 ppm
Petroleum distillates, hydrotreated heavy naphthenic	-	-	-	-

Ventilation and Environmental Controls

Local: recommended. Adequate ventilation should be provided to keep exposure levels below current acceptable exposure limits. General: as necessary.

Hygiene measures

Wash hands before breaks and immediately after handling the product.

Personal protective equipment

Other precautions

Avoid contact with the skin and the eyes

Respiratory protection

Wear a NIOSH approved organic vapor/particulate respirator. To avoid excessive inhalation of vapors, a respirator is recommended. To avoid excessive inhalation of mists, a respirator is recommended.

Hand protection

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

Eye protection

Avoid contact with eyes. Wear safety glasses with side shields.

Skin and body protection

No information available

9. PHYSICAL AND CHEMICAL PROPERTIES

Form	Aerosol	Color	Colorless
Odor	Solvent	Odor Threshold	No information available
pH	No data available	Specific Gravity	1.37
Vapor pressure	No data available	Vapor density	>1 (air=1)
Evaporation Rate	>1 (ether = 1)	VOC Content	0 %
Water solubility	No data available	Partition Coefficient (n-octanol/water)	No data available
Boiling point/range °F	< 0 - 252	Boiling point/range °C	< -18 - 122
Melting point/range °F	No data available	Melting point/range °C	No data available
Flash point °F	> 200	Flash point °C	> 39

10. STABILITY AND REACTIVITY**Stability**

Stable.

Conditions to avoid

None known.

Materials to avoid

None.

Hazardous decomposition products

Carbon dioxide. Carbon monoxide. Hydrogen chloride.

Polymerization

Will not occur.

Synergistic Products

No information available.

11. TOXICOLOGICAL INFORMATION**Component Information**

Chemical Name	LD50 (oral,rat)	LD50 (dermal,rat/rabbit)	LC50 (inhalation,rat)
<i>Carbon Dioxide</i> 124-38-9	-	-	-
<i>Tetrachloroethylene</i> 127-18-4	2629 mg/kg	-	34200 mg/m ³ 5200 ppm
<i>Petroleum distillates, hydrotreated heavy naphthenic</i> 64742-52-5	-	-	-

Potential health effects**Sensitization**

No information available.

Mutagenic effects

No information available.

Reproductive toxicity

No information available

Carcinogenic effects

See table below

Chronic toxicity

No information available.

Teratogenic effects

No information available

Target Organ Effects

No information available

Chemical Name	ACGIH OEL - Carcinogens	IARC	NTP - Known Carcinogens	NTP - Suspected Human Carcinogens	OSHA RTK Carcinogens
Carbon Dioxide	-	-	-	-	-
Tetrachloroethylene	A3 - Animal Carcinogen	Group 2A	-	Listed	Listed
Petroleum distillates, hydrotreated heavy naphthenic	-	-	-	-	-

12. ECOLOGICAL INFORMATION

Tetrachloroethylene

Microtox Data*Photobacterium phosphoreum* EC50=120.0 mg/L (30 min)**13. DISPOSAL CONSIDERATIONS****Waste from residues / unused products**

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

Disposal Information

As supplied, this product is a RCRA Hazardous Waste . Waste must be tested for ignitability to determine EPA hazardous waste numbers. Do not puncture or incinerate. Depressurize before disposal.

14. TRANSPORT INFORMATION**DOT**

Consumer commodity (Perchloroethylene),ORM-D,,Marine Pollutant,RQ

TDG

AEROSOLS(Tetrachloroethylene,Carbon Dioxide), Class 2.2, (5.1),UN1950,PG

IMDG/IMO

Aerosols(Tetrachloroethylene,Carbon Dioxide),UN1950,PG

IATA

Aerosols, flammable,(Tetrachloroethylene,Carbon Dioxide),UN1950
Hazard Class 2.1

MEX

UN1950 Aerosols(Tetrachloroethylene,Carbon Dioxide),2.2,

15. REGULATORY INFORMATION

Chemical Name	US EPA SARA 313 Emission Reporting
Tetrachloroethylene	Listed

State Regulations

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

International Inventories

Chemical Name	EINECS	DSL	NDSL	TSCA
Carbon Dioxide	X	X	-	X
Tetrachloroethylene	X	X	-	X
Petroleum distillates, hydrotreated heavy naphthenic	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	1
Reactivity	-	Physical Hazard	0

Reason for revision No information available.

Prepared By T. Heidorn, MSDS Project Lead

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.