



Material Safety Data Sheet

Revision Date 12-Sep-2011

1. CHEMICAL PRODUCT AND COMPANY INFORMATION

Product code 86137
Product name Non-Flammable Penetrating Oil
Recommended Use Penetrant
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

Contents under pressure. May cause eye/skin irritation. May cause irritation of respiratory tract.

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. Respiratory irritation. Headaches. Dizziness. Nausea.

Ingestion No hazard under normal industrial and institutional use. 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.

Notes to physician Symptoms of poisoning may not appear for several hours. Keep under medical supervision for at least 48 hours.

5. FIRE FIGHTING MEASURES

Flash point °C > 93
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. Containers exposed to extreme heat may burst. During emergency conditions, overexposure to decomposition products may cause a health hazard. Symptoms may not be immediately apparent. Obtain medical attention. Water should be used to cool closed containers to prevent pressure build-up and possible autoignition or explosion when exposed to extreme heat. Water spray may be ineffective. If water is used, fog nozzles are preferable.

Sensitivity to shock
No information available.

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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
Contents under pressure. Do not puncture or incinerate. Do not take internally. Heat from sunlight, radiators, stoves, hot water, and other heat sources could cause container to burst. Keep out of reach of children.

Storage
Store in temperatures below 120 degrees F.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

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 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.

Respiratory protection
Follow OSHA respirator regulations (29 CFR 1910.134) and if necessary, wear a MSHA/NIOSH approved respirator.

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
Odor Threshold
pH
Specific Gravity
Vapor pressure
Density
Vapor density
Evaporation Rate
Water solubility
VOC Content
Partition Coefficient (n-octanol/water)
Boiling point/range °C
Boiling point/range °F
Melting point/range °C
Melting point/range °F
Flash point °C
Flash point °F

Solvent
No information available
Not Applicable
1.39
No data available
11.54 lbs/gal, 1382 g/l
>1 (air=1)
>1 (Ether =1)
No data available
1.745%
Not Applicable
< -18 - 122
< 0 - 252
No data available
No data available
> 93
> 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)
Tetrachloroethylene 127-18-4	2629 mg/kg	-	4000 ppm
Petroleum distillates, hydrotreated heavy naphthenic 64742-52-5	5000 mg/kg	2000 mg/kg	2.18 mg/L
Carbon Dioxide 124-38-9	-	-	-

Synergistic Products None known
Potential health effects
Sensitization None known

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Chronic toxicity	See Section 2 .
Mutagenic effects	None known
Teratogenic effects	None known
Reproductive toxicity	None known
Target Organ Effects	See Section 2
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

Tetrahymena pyriformis EC50=100 mg/L (24 h)

Nitrosomonas EC50=112 mg/L (24 h)

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

Water Flea Data

Daphnia magna hEC50 48 (7.49 mg/L)

Petroleum distillates, hydrotreated heavy naphthenic

Water Flea Data

Daphnia magna hEC50 48 (>1000 mg/L)

13. DISPOSAL CONSIDERATIONS

Disposal Information

As supplied, this product is classified as non-hazardous waste according to RCRA regulations. Do not puncture or incinerate. Depressurize before disposal. Dispose in accordance with federal, state, and local regulations. 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.

14. TRANSPORTATION INFORMATION

DOT

May be classed as Consumer Commodity, ORM-D, UN1950, AEROSOLS, 2.2, LIMITED QUANTITY

TDG

May be classed as Consumer Commodity, ORM-D, UN1950, AEROSOLS, 2.2, LIMITED QUANTITY

15. REGULATORY INFORMATION

US EPA SARA 313

Chemical Name	US EPA SARA 313 Emission Reporting
Tetrachloroethylene	Listed

State Regulations

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

WARNING: This product contains a chemical(s) known to the state of California to cause cancer

International Inventories

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

CPR

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

HMIS

Health - 2 *
 Flammability - 2
 Physical Hazard - 0

Prepared By

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