



Material Safety Data Sheet

Revision Date 29-May-2007

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product code 19910
Product name Kwikkee 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

Flammable. Irritant.

Color Colorless

Odor Solvent

Form Aerosol

Aggravated Medical Conditions None Known.

Principal Routes of Exposure Inhalation. Eyes. Skin contact.

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 %
Butane	106-97-8	7-13
Propane	74-98-6	7-13
Solvent naphtha (petroleum), medium aliphatic	64742-88-7	7-13
Tetrachloroethylene	127-18-4	40-70
Petroleum distillates, solvent-refined light paraffinic	64741-89-5	1-5
Petroleum distillates, hydrotreated heavy naphthenic	64742-52-5	3-7
n-Butyl alcohol	71-36-3	0.5-1.5

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. Call a physician immediately.

5. FIRE FIGHTING MEASURES

Flash point °C	< -17
Flash point °F	< 0
Method	No information available

Autoignition temperature °C	No data available
Autoignition temperature °F	

Flammability Limits (% in Air)

Upper	11.2
Lower	1.0

Specific Information for Aerosol Products

Flame extension	Unknown
Flashback	Unknown

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.

Special Fire-Fighting Procedures

Avoid breathing of vapors. Avoid skin and eye contact. 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.

Specific hazards

Keep product and empty container away from heat and sources of ignition. In the event of fire and/or explosion, do not breathe fumes.

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

Personal precautions

Use personal protective equipment.

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

Attention! This container can be hazardous when empty. 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
Butane	800 ppm	-	1000 ppm	-
Propane	1000 ppm 1800 mg/m ³	-	1000 ppm	-
Solvent naphtha (petroleum), medium aliphatic	100 ppm	-	-	-
Petroleum distillates, hydrotreated heavy naphthenic	-	-	-	-
Petroleum distillates, solvent-refined light paraffinic	-	-	-	-
n-Butyl alcohol	100 ppm 300 mg/m ³	-	20 ppm	-

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.

Other precautions

Avoid contact with the skin and the eyes

Personal protective equipment

Respiratory protection

If the exposure limits are exceeded, a NIOSH/MSHA approved respirator is recommended.

Hand Protection

Gloves are not required in normal use. For prolonged or repeated skin contact, use a chemically resistant glove such as nitrile or neoprene. Wash hands with soap and water after removing gloves. Dry hands thoroughly before re-applying gloves. .

Eye protection

Wear safety glasses with side shields.

Skin and body protection

None necessary under normal conditions

9. PHYSICAL AND CHEMICAL PROPERTIES

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Form	Aerosol	Color	Colorless
Odor	Solvent	Odor Threshold	No information available
pH	No data available	Specific Gravity	No data available
Vapor pressure	No data available	Vapor density	>1 (air=1)
Evaporation Rate	>1 (ether = 1)	VOC Content	30.00
Water solubility	No data available	Partition Coefficient (n-octanol/water)	No data available
		Boiling point/range °C	-18 - 201
Boiling point/range °F	0 - 395	Melting point/range °C	No data available
Melting point/range °F	No data available	Flash point °C	< -17
Flash point °F	< 0		

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>Butane</i> 106-97-8	-	-	658 g/m ³
<i>Propane</i> 74-98-6	-	658 mg/kg	-
<i>Solvent naphtha</i> (petroleum), medium aliphatic 64742-88-7	5000 mg/kg	3000 mg/kg	5.28 mg/L

Chemical Name	LD50 (oral, rat)	LD50 (dermal, rat/rabbit)	LC50 (inhalation, rat)
Petroleum distillates, hydrotreated heavy naphthenic 64742-52-5	5000 mg/kg	2000 mg/kg	2.18 mg/L
Petroleum distillates, solvent-refined light paraffinic 64741-89-5	5000 mg/kg	2000 mg/kg	2.18 mg/L
n-Butyl alcohol 71-36-3	790 mg/kg	3400 mg/kg	8000 ppm 17.7 mg/L

Synergistic Products

None known

Potential health effects**Sensitization**

None known

Chronic toxicity

Repeated and prolonged exposure to solvents may cause brain and nervous system damage.

Mutagenic effects

None known

Teratogenic effects

None known

Reproductive toxicity

None known

Target Organ Effects

Long term exposure to vapor may cause liver damage. Urinary system.

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
Butane	Not Listed	Not Listed	Not Listed	Not Listed	Not Listed
Propane	Not Listed	Not Listed	Not Listed	Not Listed	Not Listed
Solvent naphtha (petroleum), medium aliphatic	Not Listed	Not Listed	Not Listed	Not Listed	Not Listed
Petroleum distillates, hydrotreated heavy naphthenic	Not Listed	Not Listed	Not Listed	Not Listed	Not Listed
Petroleum distillates, solvent-refined light paraffinic	Not Listed	Not Listed	Not Listed	Not Listed	Not Listed
n-Butyl alcohol	Not Listed	Not Listed	Not Listed	Not Listed	Not Listed

Specific Hazards

Misuse by deliberately concentrating vapors and inhaling contents can be harmful or fatal.

12. ECOLOGICAL INFORMATION

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Tetrachloroethylene

Microtox Data

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

n-Butyl alcohol

Microtox Data

Photobacterium phosphoreum EC50=2056 mg/L (5 min)

Photobacterium phosphoreum EC50=2186 mg/L (30 min)

13. DISPOSAL CONSIDERATIONS

Disposal Information

Waste must be tested for ignitability to determine EPA hazardous waste numbers. Do not puncture or incinerate. Depressurize before disposal. This product contains tetrachloroethylene, a highly volatile solvent which is a toxic waste as defined by RCRA ,40 CFR 261 (United States) .

Waste from residues / unused products

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

14. TRANSPORT INFORMATION

DOT

UN1950 Aerosols, poison (Tetrachloroethylene/Petroluem distillates),Class 2.1(6.1), Marine Pollutant

TDG

UN1950 AEROSOLS, flammable(Propane/Butane/Tetrachloroethylene), Class 2.1(6.1)

IMDG/IMO

UN1950 AEROSOLS (Propane/Butane/Tetrachloroethylene), Class 2.1(6.1) Marine Pollutant

IATA

UN1950 Aerosols, flammable, containing substances in Division 6.1, Packing Group III
(Propane/Butane/Tetrachloroethylene), Class 2.1(6.1)

MEX

UN1950 AEROSOLE (Propane/Butane/Tetrachloroetilen), 2.1(6.1)

15. REGULATORY INFORMATION

Chemical Name	US EPA SARA 313 Emission Reporting
Tetrachloroethylene	Listed
n-Butyl alcohol	Listed

Chemical Name	New Jersey - RTK	Pennsylvania - RTK	California Prop. 65
Tetrachloroethylene	Listed	Listed	Carcinogen
Butane	Listed	Listed	Not Listed
Propane	Listed	Listed	Not Listed
Solvent naphtha (petroleum), medium aliphatic	Not Listed	Not Listed	Not Listed
Petroleum distillates, hydrotreated heavy naphthenic	Not Listed	Not Listed	Not Listed
Petroleum distillates, solvent-refined light paraffinic	Not Listed	Not Listed	Not Listed
n-Butyl alcohol	Listed	Listed	Not Listed

Chemical Name	EINECS	DSL	NDSL	TSCA
Tetrachloroethylene	X	X	-	X
Butane	X	X	-	X
Propane	X	X	-	X
Solvent naphtha (petroleum), medium aliphatic	X	X	-	X
Petroleum distillates, hydrotreated heavy naphthenic	X	X	-	X
Petroleum distillates, solvent-refined light paraffinic	X	X	-	X
n-Butyl alcohol	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	4
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.