



Material Safety Data Sheet

Revision Date 16-Dec-2013

1. CHEMICAL PRODUCT AND COMPANY INFORMATION

Product code 19910C
Product name Kwikee Penetrating Oil
Recommended Use Lubricant
Supplier Lawson Products, Inc.
 8770 W.Bryn Mawr Ave.- Suite 900
 Chicago, IL 60631
 1-866-529-7664
Emergency telephone number (888) 426-4851

2. HAZARDS IDENTIFICATION

Emergency Overview

Flammable. Contents under pressure. Irritating to eyes. Irritating to skin.

Aggravated Medical Conditions

None Known

Principal Routes of Exposure

Eyes. Skin. Inhalation.

Potential health effects

Eyes Exposure to vapors or mists may cause the following effects: Irritation. Reddening. Itching. Burning sensation.

Skin Repeated or prolonged exposure may cause: Skin Irritation. Redness. Itching. Burning sensation.

Inhalation Upper respiratory tract irritation. Extreme overexposure may cause. Headaches. Dizziness. Nausea. Loss of coordination. Central nervous system depression. Liver damage. Possible unconsciousness. Death. Misuse by deliberately concentrating vapors and inhaling contents can be harmful or fatal.

Ingestion No information available.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	CAS-No	Weight %
Tetrachloroethylene	127-18-4	40-70
Butane	106-97-8	7-13
Propane	74-98-6	7-13

Solvent naphtha (petroleum), medium aliphatic	64742-88-7	7-13
Petroleum distillates, hydrotreated heavy naphthenic	64742-52-5	3-7
Petroleum distillates, solvent-refined light paraffinic	64741-89-5	1-5
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. Seek medical attention immediately.

Inhalation Remove to fresh air. Restore breathing. Keep warm and quiet.

5. FIRE FIGHTING MEASURES

Flash point °C < -17.78
Flash point °F < 0
Method Tag Closed Cup
Autoignition temperature °C No data available
Autoignition temperature °F No data available

Flammability Limits (% in Air)

Upper 11.2
Lower 1.0

Specific Information for Aerosol Products

Flame extension 30" w/o extension tube; 36" w/ extension tube
Flashback None

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

Containers may vent or burst under extreme or prolonged fire conditions. 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. During emergency conditions, overexposure to decomposition products may cause a health hazard. Symptoms may not be immediately apparent. Obtain medical attention.

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

7. HANDLING AND STORAGE**Handling**

Keep away from open flames, hot surfaces and sources of ignition. Vapors may accumulate readily and may ignite explosively. Turn off other sources of ignition prior to use and until all vapors have dissipated. Ensure adequate ventilation. Do not smoke. Check to make sure that all equipment is properly grounded and installed to satisfy electrical classification requirements. Thoroughly wash hands and exposed skin after handling. Heat from sunlight, radiators, stoves, hot water, and other heat sources could cause container to burst. Contents under pressure. To avoid ignition of vapors by static electricity discharge, all metal parts of the equipment must be grounded. Do not puncture or incinerate. Do not take internally. Keep out of reach of children.

Storage

Store in temperatures below 120 degrees F (50 degrees C) .

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Chemical Name	OSHA PEL (TWA)	OSHA PEL (Ceiling)	ACGIH OEL (TWA)	ACGIH OEL (STEL)
Propane	1000 ppm 1800 mg/m ³	-	1000 ppm	-
Butane	800 ppm	-	-	1000 ppm
Solvent naphtha (petroleum), medium aliphatic	100 ppm	-	-	-
Tetrachloroethylene	100 ppm	200 ppm	25 ppm	100 ppm
Petroleum distillates, solvent-refined light paraffinic	-	-	-	-

Petroleum distillates, hydrotreated heavy naphthenic	-	-	-	-
n-Butyl alcohol	100 ppm 300 mg/m ³	-	20 ppm	-

Ventilation and Environmental Controls

Use enough ventilation, local exhaust at the work area, general, or both, to keep below the TLV's in the worker's breathing zone and the general area. Local: recommended.

Hygiene measures

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

Other precautions

Avoid breathing vapors or mists.

Respiratory protection

If the exposure limits are exceeded, a NIOSH/MSHA approved respirator is recommended. Wear a NIOSH approved organic vapor/particulate 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	Solvent
Odor Threshold	No information available
pH	Not Applicable
Specific Gravity	1.00
Vapor pressure	No data available
Density	8.33 lb/gal; 998 g/l
Vapor density	>Air
Evaporation Rate	>1 (Ether =1)
Water solubility	No data available
VOC Content	30.00%
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	< -17.78
Flash point °F	< 0

10. STABILITY AND REACTIVITY

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.

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

11. TOXICOLOGICAL INFORMATION**Component Information**

Chemical Name	LD50 (oral, rat)	LD50 (dermal, rat/rabbit)	LC50 (inhalation, rat)
Propane 74-98-6	-	-	658 mg/L
Butane 106-97-8	-	-	658 g/m ³
Solvent naphtha (petroleum), medium aliphatic 64742-88-7	5000 mg/kg	3000 mg/kg	5.28 mg/L
Tetrachloroethylene 127-18-4	2629 mg/kg	-	4000 ppm
Petroleum distillates, solvent-refined light paraffinic 64741-89-5	5000 mg/kg	5 g/kg	2.18 mg/L
Petroleum distillates, hydrotreated heavy naphthenic 64742-52-5	28710 mg/kg	-	-
n-Butyl alcohol 71-36-3	-	-	8000 ppm

Synergistic Products	None known
Specific Hazards	Reports have associated repeated and prolonged occupational exposure to solvents with permanent brain damage.
Potential health effects	
Sensitization	None known
Chronic toxicity	See Section 2 .
Mutagenic effects	None known

Chemical Name	ACGIH OEL - Carcinogens	IARC	NTP - Known Carcinogens	NTP - Suspected Human Carcinogens	OSHA RTK Carcinogens
Propane	Not Listed	Not Listed	Not Listed	Not Listed	Not Listed
Butane	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
Tetrachloroethylene	A3	Group 2A	Not Listed	Reasonably Anticipated To Be A Human Carcinogen	Listed
Petroleum distillates, solvent-refined light paraffinic	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
n-Butyl alcohol	Not Listed	Not Listed	Not Listed	Not Listed	Not Listed

12. ECOLOGICAL INFORMATION

<u>Tetrachloroethylene</u>
Microtox Data
<i>Tetrahymena pyriformis</i> EC50=100 mg/L (24 h)
<i>Nitrosomonas</i> EC50=112 mg/L (24 h)
<i>Photobacterium phosphoreum</i> EC50=120.0 mg/L (30 min)
Water Flea Data
<i>Daphnia magna</i> EC506.1 - 9.0 mg/L (48 h)
Solvent naphtha (petroleum), medium aliphatic
Water Flea Data
<i>Daphnia magna</i> hEC50 48 (>100 mg/L)
Petroleum distillates, hydrotreated heavy naphthenic
Water Flea Data
<i>Daphnia magna</i> EC50>1000 mg/L (48 h)

12. ECOLOGICAL INFORMATION

Petroleum distillates, solvent-refined light paraffinic

Water Flea Data*Daphnia magna* EC50>1000 mg/L (48 h)

n-Butyl alcohol

Microtox Data*Photobacterium phosphoreum* EC50=2041.4 mg/L (5 min)*Photobacterium phosphoreum* EC50=2186 mg/L (30 min)*Aerobic heterotroph* EC50=3980 mg/L (24 h)*Pseudomonas putida* EC50=4400 mg/L (17 h)**Water Flea Data***Daphnia magna* EC501897 - 2072 mg/L (48 h)*Daphnia magna* EC50=1983 mg/L (48 h)

WARNING: This product contains a chemical(s) known to the state of California to cause cancer and birth defects or other reproductive harm

International Inventories

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

13. DISPOSAL CONSIDERATIONS**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. Discard container or liner in accordance with federal, state, and local regulations.

14. TRANSPORTATION INFORMATION**DOT**

Consumer commodity, ORM-D.

TDG

Consumer commodity, ORM-D.

15. REGULATORY INFORMATION

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

State Regulations

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

16. OTHER INFORMATION**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

HMIS

Health - 2 *
Flammability - 3
Physical Hazard - 0

Prepared By

V. Shargorodsky, Regulatory Affairs Engineer

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.