



# Material Safety Data Sheet

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Revision Date 29-May-2007

## 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

**Product code** 19910  
**Product name** Kwikiee 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

|   |                     |                     |
|---|---------------------|---------------------|
| <b>Emergency Overview</b><br>Flammable. Irritant. |                     |                     |
| <b>Color</b> Colorless                            | <b>Odor</b> Solvent | <b>Form</b> 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

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

| 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

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

### 5. FIRE FIGHTING MEASURES

|                       |                          |
|-----------------------|--------------------------|
| <b>Flash point °C</b> | < -17                    |
| <b>Flash point °F</b> | < 0                      |
| <b>Method</b>         | No information available |

|                                    |                   |
|------------------------------------|-------------------|
| <b>Autoignition temperature °C</b> | No data available |
| <b>Autoignition temperature °F</b> |                   |

#### Flammability Limits (% in Air)

|              |      |
|--------------|------|
| <b>Upper</b> | 11.2 |
| <b>Lower</b> | 1.0  |

#### Specific Information for Aerosol Products

|                        |         |
|------------------------|---------|
| <b>Flame extension</b> | Unknown |
| <b>Flashback</b>       | Unknown |

#### **Suitable extinguishing media**

Carbon dioxide (CO<sub>2</sub>). 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<br>1800 mg/m <sup>3</sup> | -                  | 1000 ppm        | -                |
| Solvent naphtha<br>(petroleum), medium<br>aliphatic           | 100 ppm                            | -                  | -               | -                |
| Petroleum distillates,<br>hydrotreated heavy<br>naphthenic    | -                                  | -                  | -               | -                |
| Petroleum distillates,<br>solvent-refined light<br>paraffinic | -                                  | -                  | -               | -                |
| n-Butyl alcohol   | 100 ppm<br>300 mg/m <sup>3</sup>   | -                  | 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

## 9. PHYSICAL AND CHEMICAL PROPERTIES

|                               |                   |  |                          |
|-------------------------------|-------------------|--|--------------------------|
| <b>Form</b>                   | Aerosol           | <b>Color</b>                                   | Colorless                |
| <b>Odor</b>                   | Solvent           | <b>Odor Threshold</b>                          | No information available |
| <b>pH</b>                     | No data available | <b>Specific Gravity</b>                        | No data available        |
| <b>Vapor pressure</b>         | No data available | <b>Vapor density</b>                           | >1 (air=1)               |
| <b>Evaporation Rate</b>       | >1 (ether = 1)    | <b>VOC Content</b>                             | 30.00                    |
| <b>Water solubility</b>       | No data available | <b>Partition Coefficient (n-octanol/water)</b> | No data available        |
|                               |                   | <b>Boiling point/range °C</b>                  | -18 - 201                |
| <b>Boiling point/range °F</b> | 0 - 395           | <b>Melting point/range °C</b>                  | No data available        |
| <b>Melting point/range °F</b> | No data available | <b>Flash point °C</b>                          | < -17                    |
| <b>Flash point °F</b>         | < 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><br>127-18-4                             | 2629 mg/kg       | -                         | 5200 mg/kg             |
| <i>Butane</i><br>106-97-8  | -                | -                         | 658 g/m <sup>3</sup>   |
| <i>Propane</i><br>74-98-6  | -                | 658 mg/kg                 | -                      |
| <i>Solvent naphtha (petroleum), medium aliphatic</i><br>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) |
|--|------------------|---------------------------|------------------------|
| <i>Petroleum distillates, hydrotreated heavy naphthenic</i><br>64742-52-5    | 5000 mg/kg       | 2000 mg/kg                | 2.18 mg/L              |
| <i>Petroleum distillates, solvent-refined light paraffinic</i><br>64741-89-5 | 5000 mg/kg       | 2000 mg/kg                | 2.18 mg/L              |
| <i>n-Butyl alcohol</i><br>71-36-3  | 790 mg/kg        | 3400 mg/kg                | 8000 ppm<br>17.7 mg/L  |

**Synergistic Products**

None known

**Potential health effects****Sensitization**

None known

**Mutagenic effects**

None known

**Reproductive toxicity**

None known

**Chronic toxicity**

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

**Teratogenic effects**

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**

## 12. ECOLOGICAL INFORMATION

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/Petroleum 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 AEROSOLES (Propane/Butane/Tetrachloroetileno), 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**

Michael Katz, Regulatory Affairs Specialist

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.