



Revision Date 25-Feb-2005

## 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

**Product code** 19902  
**Product name** Silicone Lubricant  
**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** Clear

**Odor** Slight

**Form** Aerosol

**Aggravated Medical Conditions** No information available

**Principal Routes of Exposure** Eyes. Ingestion. Inhalation. Skin absorption. Skin contact.

### Potential health effects

**Eyes** Slight irritation.

**Skin** Direct contact may cause the following effects. Skin Irritation. Dermatitis. May be absorbed through the skin in harmful amounts.

**Inhalation** May cause irritation to the lungs. Extreme overexposure may cause. Central nervous system damage.

**Ingestion** Central nervous system effects. May be harmful if swallowed.

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS-No	Weight %
Petroleum distillates, hydrotreated light	64742-47-8	15-40
Hexane	110-54-3	10-30
Stoddard solvent	8052-41-3	3-7
Dimethyl Polysiloxane	63148-62-9	5-10
L.P.G. (liquified petroleum gas)	68476-85-7	15-40

#### 4. FIRST AID MEASURES

<b>Eye contact</b>	Flush with plenty of water for at least 20 minutes. Seek medical attention.
<b>Skin contact</b>	Wash area thoroughly with soap and water.
<b>Ingestion</b>	If a large quantity of liquid is swallowed, do NOT induce vomiting. Drink 1 or 2 glasses of water. Never give anything by mouth to an unconscious person. Seek medical attention.
<b>Inhalation</b>	Remove to fresh air. Provide oxygen if breathing is difficult. If not breathing, give artificial respiration. Keep warm and quiet. Seek medical attention.

#### 5. FIRE FIGHTING MEASURES

<b>Flash point °C</b>	-104
<b>Flash point °F</b>	-156
<b>Method</b>	No information available

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

<b>Flammability Limits (% in Air)</b>	
<b>Upper</b>	9.5%
<b>Lower</b>	1.2%

##### Specific Information for Aerosol Products

<b>Flame extension</b>	>18 inches
<b>Flashback</b>	None

##### Suitable extinguishing media

Water fog. Water spray. Carbon dioxide (CO<sub>2</sub>). Dry chemical. Foam. Alcohol foam.

##### Extinguishing media which must NOT be used for safety reasons

No information available.

##### Special Fire-Fighting Procedures

None known.

##### Fire and Explosion Hazards

Material is highly volatile and readily gives off vapors. Vapors are heavier than air and may travel along the ground to an ignition source distant from material handling area. Possible ignition sources include pilot lights, flames, lighted cigarettes, heating elements, electric motors, sparks from electrical switches. Evacuate area of unprotected and unnecessary personnel. Do not use direct water stream. A solid stream of water will spread flame.

##### Sensitivity to shock

No information available.

##### Sensitivity to static discharge

No information available.

## 6. ACCIDENTAL RELEASE MEASURES

### Environmental precautions

Do not allow material to contaminate ground water system. Local authorities should be advised if significant spillages cannot be contained. Do not flush into surface water or sanitary sewer system. Should not be released into the environment.

### Methods for cleaning up

Ventilate area to maintain exposure below permissible exposure limits. Dam up. Do not allow product to reach sewage system, soil, surface or ground water, or any water course. Notify proper authorities if entry occurs. Soak up with inert absorbent material. Place in non-leaking, tightly sealed container for proper disposal. . Dispose of absorbent in accordance with local, state and federal regulations.

## 7. HANDLING AND STORAGE

### Handling

Keep container closed when not in use.

### Storage

Keep container tightly closed. Keep away from direct sunlight. Keep away from open flames, hot surfaces and sources of ignition. Store in temperatures below 120 degrees F.

### NFPA Storage Code

Store as Level 3 Aerosol (NFPA 30B)

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

### Exposure limits

Chemical Name	OSHA PEL (TWA)	OSHA PEL (Ceiling)	ACGIH OEL (TWA)	ACGIH OEL (STEL)
Petroleum distillates, hydrotreated light	-	-	-	-
Hexane	1800 mg/m <sup>3</sup> 500 ppm	-	50 ppm 500 ppm	N/D
Stoddard solvent	2900 mg/m <sup>3</sup> 500 ppm	-	100 ppm	-
Dimethyl Polysiloxane	-	-	-	-
L.P.G. (liquified petroleum gas)	1000 ppm 1800 mg/m <sup>3</sup>	-	1000 ppm	2500 ppm

### Ventilation and Environmental Controls

Ensure adequate ventilation, especially in confined areas.

### Hygiene measures

Remove and wash contaminated clothing before re-use.

### Personal protective equipment

#### Respiratory protection

When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.

#### Hand protection

Gloves are recommended to prevent prolonged or repeated contact.

**Eye protection**

Safety glasses with side-shields.

**Skin and body protection**

No information available

**9. PHYSICAL AND CHEMICAL PROPERTIES**

<b>Form</b>	Aerosol	<b>Color</b>	Clear
<b>Odor</b>	Slight	<b>Odor Threshold</b>	No information available
<b>pH</b>	No data available	<b>Specific Gravity</b>	0.6285
<b>Vapor pressure</b>	No data available	<b>Vapor density</b>	No data available
<b>Evaporation Rate</b>	<1 (ether = 1)	<b>VOC Content</b>	60 %
<b>Water solubility</b>	No data available	<b>Partition Coefficient (n-octanol/water)</b>	No data available
<b>Boiling point/range °F</b>	-43.7	<b>Boiling point/range °C</b>	-42
<b>Melting point/range °F</b>	No data available	<b>Melting point/range °C</b>	No data available
<b>Flash point °F</b>	-156	<b>Flash point °C</b>	-104

**10. STABILITY AND REACTIVITY****Stability**

Stable under normal conditions.

**Conditions to avoid**

Heat, flames and sparks.

**Materials to avoid**

Strong oxidizing agents. Alkalis. Strong mineral acids.

**Hazardous decomposition products**

In contact with strong acids, graphite materials may decompose to carbon monoxide or carbon dioxide.

**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>Petroleum distillates, hydrotreated light 64742-47-8</i>	-	-	-
<i>Hexane 110-54-3</i>	28710 mg/kg	-	48000 ppm

Stoddard solvent 8052-41-3	-	-	-
Dimethyl Polysiloxane 63148-62-9	17 g/kg	2 g/kg	-
L.P.G. (liquified petroleum gas) 68476-85-7	-	-	-

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

No information available.

**Chronic toxicity**

No information available.

**Mutagenic effects**

No information available.

**Teratogenic effects**

No information available.

**Reproductive toxicity**

No information available.

**Target Organ Effects**

Kidney. Liver. Cardiovascular system.

**Carcinogenic effects**

No information available.

Chemical Name	ACGIH OEL - Carcinogens	IARC	NTP - Known Carcinogens	NTP - Suspected Human Carcinogens	OSHA RTK Carcinogens
Petroleum distillates, hydrotreated light	-	-	-	-	-
Hexane	-	-	-	-	-
Stoddard solvent	-	-	-	-	-
Dimethyl Polysiloxane	-	-	-	-	-
L.P.G. (liquified petroleum gas)	-	-	-	-	-

**12. ECOLOGICAL INFORMATION****Aquatic toxicity**

Hexane

**Water Flea Data***water flea LC50=3.87 mg/L (48 h)***13. DISPOSAL CONSIDERATIONS****Waste from residues / unused products**

Dispose of all product, residues and clean-up materials in accordance with local, state, and federal regulations.

**14. TRANSPORT INFORMATION**

**DOT**

Consumer commodity (Hexane),ORM-D,,RQ

**TDG**

AEROSOLS, Class 2.1,UN1950,PG

**IMDG/IMO**

Aerosols,UN1950,PG

**IATA**Aerosols, flammable,UN1950  
Hazard Class 2.1**MEX**

UN1950 Aerosols,2.2,

**15. REGULATORY INFORMATION**

Chemical Name	US EPA SARA 313 Emission Reporting
Hexane	Listed

**State Regulations**

Chemical Name	New Jersey - RTK	Pennsylvania - RTK	California Prop. 65
Petroleum distillates, hydrotreated light	Not Listed	Not Listed	Not Listed
Hexane	Listed	Listed	Not Listed
Stoddard solvent	Listed	Listed	Not Listed
Dimethyl Polysiloxane	Not Listed	Not Listed	Not Listed
L.P.G. (liquified petroleum gas)	Listed	Listed	Not Listed

**International Inventories**

Chemical Name	EINECS	DSL	NDSL	TSCA
Petroleum distillates, hydrotreated light	X	X	-	X
Hexane	X	X	-	X
Stoddard solvent	X	X	-	X
Dimethyl Polysiloxane	-	X	-	X
L.P.G. (liquified petroleum gas)	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**

<b>NFPA</b>		<b>HMIS</b>	
<b>Health</b>	2	<b>Health</b>	2
<b>Flammability</b>	4	<b>Flammability</b>	4
<b>Reactivity</b>	0	<b>Physical Hazard</b>	0

**OPREC** Use only according to directions

**Reason for revision** No information available.

**Prepared By** Regulatory Department.

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.