

# Material Safety Data Sheet

Revision Date 07-Jul-2010

## 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

**Product code** 90576  
**Product name** Food Grade Machine Lube  
**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. Harmful if swallowed. Irritant.

**Color** Colorless

**Odor** Solvent

**Form** Aerosol

**Aggravated Medical Conditions** None Known

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

### Potential health effects

**Eyes** May cause the following effects:. Irritation. Frostbite. Burn.

**Skin** May cause the following effects: . Skin Irritation. Dermatitis. Skin burns. Frostbite.

**Inhalation** May cause the following effects. Shortness of breath. Dizziness. Light headedness. Possible asphyxiation.

**Ingestion** May cause chemical pneumonitis if aspirated into lungs.

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS-No	Weight %
Paraffinic Mineral Oil	8042-47-5	40-45
Solvent naphtha (petroleum), medium aliphatic	64742-88-7	40-45
Butane	106-97-8	8-13
Propane	74-98-6	11-16

## 4. FIRST AID MEASURES

**Eye contact** Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Seek medical attention.

**Skin contact** Wash area thoroughly with soap and water.

**Ingestion**

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.

**Inhalation**

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

**Flash point °C**

-104

**Flash point °F**

-156

**Method**

No information available

**Autoignition temperature °C**

No data available

**Autoignition temperature °F**

No data available

**Flammability Limits (% in Air)****Upper**

9.5%

**Lower**

1.8%

**Suitable extinguishing media**

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

**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.

**Specific hazards**

Extremely flammable

**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. Water should be used to cool closed containers to prevent pressure build-up and possible autoignition or explosion when exposed to extreme heat.

**Sensitivity to shock**

No information available.

**Sensitivity to static discharge**

No information available.

## 6. ACCIDENTAL RELEASE MEASURES

**Methods for cleaning up**

Evacuate area of unprotected and unnecessary personnel. Ventilate area to maintain exposure below permissible exposure limits. Eliminate all sources of ignition. 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. 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. 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.

**8. EXPOSURE CONTROLS / PERSONAL PROTECTION****Exposure limits**

Chemical Name	OSHA PEL (TWA)	OSHA PEL (Ceiling)	ACGIH OEL (TWA)	ACGIH OEL (STEL)
Solvent naphtha (petroleum), medium aliphatic	100 ppm	-	-	-
Paraffinic Mineral Oil	-	-	-	-
Propane	1000 ppm 1800 mg/m <sup>3</sup>	-	1000 ppm	-
Butane	800 ppm	-	1000 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. Use with adequate explosion-proof ventilation to meet the limits in Section 8 .

**Hygiene measures**

General industrial hygiene practice. Remove and wash contaminated clothing before re-use.

**Other precautions**

Use personal protective equipment

**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. Chemical resistant gloves.

**Eye protection**

Use safety eyewear designed to protect against impact.

**Skin and body protection**

None necessary under normal conditions

**9. PHYSICAL AND CHEMICAL PROPERTIES**

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<b>Form</b>	Aerosol	<b>Color</b>	Colorless
<b>Odor</b>	Solvent	<b>Odor Threshold</b>	No information available
<b>pH</b>	Not Applicable	<b>Specific Gravity</b>	No data available
<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>	Not Applicable
<b>Boiling point/range °C</b>	No data available	<b>Boiling point/range °F</b>	No data available
<b>Melting point/range °C</b>	No data available	<b>Melting point/range °F</b>	No data available
<b>Flash point °C</b>	-104	<b>Flash point °F</b>	-156

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

Stable under normal conditions.

**Conditions to avoid**

Heat, flames and sparks.

**Incompatibility**

Strong oxidizing agents.

**Hazardous Decomposition Products**

Carbon monoxide. Carbon dioxide.

**Polymerization**

Will not occur.

**11. TOXICOLOGICAL INFORMATION****Component Information**

<b>Chemical Name</b>	<b>LD50 (oral,rat)</b>	<b>LD50 (dermal,rat/rabbit)</b>	<b>LC50 (inhalation,rat)</b>
<i>Solvent naphtha (petroleum), medium aliphatic 64742-88-7</i>	5000 mg/kg	3000 mg/kg	5.28 mg/L
<i>Paraffinic Mineral Oil 8042-47-5</i>	5000 mg/kg	-	-
<i>Propane 74-98-6</i>	-	-	658 mg/L
<i>Butane 106-97-8</i>	-	-	658 mg/L

**Synergistic Products**

None known

**Potential health effects**

**Sensitization**

None known

**Chronic toxicity**

None known

**Mutagenic effects**

None known

**Teratogenic effects**

None known

**Reproductive toxicity**

None known

**Target Organ Effects**

Kidney. Liver. Cardiovascular system.

**Carcinogenic effects**

See Table Below.

Chemical Name	ACGIH OEL - Carcinogens	IARC	NTP - Known Carcinogens	NTP - Suspected Human Carcinogens	OSHA RTK Carcinogens
Solvent naphtha (petroleum), medium aliphatic	Not Listed	Not Listed	Not Listed	Not Listed	Not Listed
Paraffinic Mineral Oil	Not Listed	Not Listed	Not Listed	Not Listed	Not Listed
Propane	Not Listed	Not Listed	Not Listed	Not Listed	Not Listed
Butane	Not Listed	Not Listed	Not Listed	Not Listed	Not Listed

**12. ECOLOGICAL INFORMATION**

No Information Available

Solvent naphtha (petroleum), medium aliphatic

**Water Flea Data***Daphnia magna* hEC50 48 (>100 mg/L)**13. DISPOSAL CONSIDERATIONS****Disposal Information**

Dispose in accordance with federal, state, and local regulations. Full or partially full containers are considered hazardous waste.

**14. TRANSPORT INFORMATION****DOT**

Consumer commodity, ORM-D

**TDG**

Consumer commodity, ORM-D

**IMDG/IMO**

UN1950 Aerosols, flammable, 2.1

**14. TRANSPORT INFORMATION****IATA**

ID8000 Consumer commodity, 9

**MEX**

UN1950 Aerosols, flammable, 2.1

**15. REGULATORY INFORMATION**

Chemical Name	New Jersey - RTK	Pennsylvania - RTK	California Prop. 65
Solvent naphtha (petroleum), medium aliphatic	Not Listed	Not Listed	Not Listed
Paraffinic Mineral Oil	Not Listed	Not Listed	Not Listed
Propane	Listed	Listed	Not Listed
Butane	Listed	Listed	Not Listed

Chemical Name	EINECS	DSL	NDSL	TSCA
Solvent naphtha (petroleum), medium aliphatic	X	X	-	X
Paraffinic Mineral Oil	X	X	-	X
Propane	X	X	-	X
Butane	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**

NFPA		HMIS	
Health	2	Health	2
Flammability	4	Flammability	4
Reactivity	0	Physical Hazard	0

**Prepared By**

J. Cameron, Regulatory Affairs Coordinator

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.