



## Material Safety Data Sheet

Issue Date: April 13, 2012

Revised Date: March 20, 2013

Reason: Revised to Current  
Date

### 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

**Product name:** Super Lube® Synthetic Penetrant

**Item No:** 85004, 85010, 85032,  
85050, 85055

**Product use:** Penetrant

**Company address:**

Synco Chemical Corporation  
24 DaVinci Dr., P.O. Box 405  
Bohemia, NY 11716

**Contact Information:**

Telephone: 631-567-5300  
Emergency telephone: 800-424-9300  
Internet: [www.super-lube.com](http://www.super-lube.com)  
E-Mail: [info@super-lube.com](mailto:info@super-lube.com)

### 2. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

**Physical state:** Liquid

**Color:** Translucent

**Odor:** Aliphatic

**WHMIS hazard class:** B.3

**HMIS codes:** Fire - 2

Health - 1

Reactance - 0

Other - 0



**WARNING:**

**FLAMMABLE LIQUID AND VAPOR**

KEEP AWAY FROM HEAT/SPARKS/OPEN FLAMES/HOT SURFACES. – NO SMOKING.

KEEP CONTAINER TIGHTLY CLOSED.

GROUND/BOND CONTAINER AND RECEIVING EQUIPMENT.

USE EXPLOSION-PROOF ELECTRICAL/VENTILATING/LIGHTING/.../EQUIPMENT.

USE ONLY NON-SPARKING TOOLS.

TAKE PRECAUTIONARY MEASURES AGAINST STATIC DISCHARGE.

WEAR PROTECTIVE GLOVES/PROTECTIVE CLOTHING/EYE PROTECTION/FACE PROTECTION.

**Relevant routes of exposure:**

Skin, Inhalation, Eyes

**Potential Health Effects**

**Inhalation:**

Vapors and mists will irritate the respiratory tracts and nasal passages. Overexposure may cause nervous system depression. Extreme overexposure may result in unconsciousness and possibly death.

**Skin contact:**

Irritating to skin.

**Eye contact:**

Contact with eyes will cause irritation.

**Ingestion:** Harmful by inhalation, may cause lung damage if swallowed.

**Existing conditions aggravated by exposure:** None generally recognized.

See Section 11 for additional toxicological information.

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

<u>Hazardous Components</u>	<u>%</u>	<u>ACGIH TLV</u>	<u>OSHA PEL</u>	<u>OTHER</u>
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Hydrocarbon Solvent 64742-47-8	<75	Not Established	Not Established	None
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Xn,  N; R-65

Additional information: For the wording of the listed risk phrases refer to section 16.

#### Other components

Polyalphaolefin 163149-28-8	<20	5mg/m <sup>3</sup> TWA (mist :) 10mg/m <sup>3</sup> STEL (mist :)	5mg/m <sup>3</sup> TWA (mist :)	None
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Soy Lecithin 8002-43-5	<10	Not Available	Not Available	None
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### 4. FIRST AID MEASURES

**Inhalation:** Remove to fresh air. Restore breathing.

**Skin contact:** If on skin (or hair): Remove/take off immediately all contaminated clothing. Rinse SKIN with water/shower.

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

**Ingestion:** Do not induce vomiting. Get medical attention immediately.

**Notes to physician:** Treatment:

### 5. FIRE-FIGHTING MEASURES

**Flash point:** 68-74° C

**Autoignition temperature:** 236° C

**Flammable/Explosive limits-lower %:** .6 (vol %)

**Flammable/Explosive limits-upper %:** 5.5 (vol %)

**Extinguishing media:** In case of fire: Use Carbon dioxide (CO<sub>2</sub>), Dry chemical, or Foam for extinction.

**Special fire fighting procedures:** Water spray may be ineffective. Water should be used to cool closed containers to prevent pressure build-up and possible autoignition or explosion when exposed to extreme heat.

**Unusual fire or explosion hazards:** Closed containers may rupture (due to build up of pressure) when exposed to extreme heat.

**Hazardous combustion products:** Oxides of carbon.

**Sensitivity to mechanical impact:** Not available

**Sensitivity to static discharge:** Not available

## 6. ACCIDENTAL RELEASE MEASURES

**Environmental precautions:** Harmful to aquatic organisms.

**Clean-up methods:** Remove all ignition sources. Ventilate area. Soak up with inert absorbent.

## 7. HANDLING AND STORAGE

**Handling:** Use only with adequate ventilation. Avoid contact with eyes, skin and clothing. Do not breathe mist or vapors.

**Storage:** Store in a well ventilated place. Keep cool. Heat from sunlight, radiators, stoves, hot water, and other heat sources could cause containers to burst.

**Incompatible products:** Reacts with strong oxidants.

## Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

**Engineering controls:** Local exhaust ventilation is recommended when general ventilation is not sufficient to control airborne contamination below occupational exposure limits.

<b>Respiratory protection:</b>	If personal exposure cannot be controlled below applicable limits by ventilation, wear a properly fitted organic vapor/particulate respirator approved by NIOSH.
<b>Skin protection:</b>	Chemical resistant, impermeable gloves.
<b>Eye/face protection:</b>	Safety glasses with side-shields.

**See Section 3 for exposure limits.**

## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Physical state:</b>	Liquid
<b>Color:</b>	Translucent
<b>Odor:</b>	Aliphatic
<b>Odor Threshold:</b>	Not available
<b>Vapor pressure:</b>	1 mmHg. @ 20° C
<b>pH:</b>	Not available
<b>Boiling point/range:</b>	Not available
<b>Melting point/range:</b>	Not available
<b>Specific gravity:</b>	0.85
<b>Vapor density:</b>	4.9
<b>Evaporation rate:</b>	Slower than ether
<b>Solubility in water:</b>	Nil
<b>Partition coefficient (n-octano/water):</b>	Not available
<b>VOC content:</b>	592 g/L

## 10. STABILITY AND REACTIVITY

<b>Stability:</b>	Stable
<b>Hazardous polymerization:</b>	Will not occur.
<b>Hazardous decomposition products:</b>	None under normal use.
<b>Incompatibility:</b>	Strong oxidizing agents.
<b>Conditions to avoid:</b>	Heat, flames and sparks.

## 11. TOXICOLOGICAL INFORMATION

**Product toxicity data:** Not available

**Toxicologically synergistic products:** Not available

**Refer to the following for irritancy of Product, Sensitization to Product, Carcinogenicity, Reproductive Toxicity, Teratogenicity, and Mutagenicity.**

**Ingredient Toxicity Data & Carcinogen Status**

<b>Hazardous components</b>	<b>LD50s &amp; LC50s</b>	<b>Other LD50s and LC50s</b>	<b>NTP Carcinogen</b>	<b>IARC Carcinogen</b>	<b>OSHA Carcinogen</b>	<b>ACGIH-Carcinogen</b>
Hydrocarbon Solvent 64742-47-8	Not Available	None	No	No	No	No
<b>Other components</b>						
Polyalphaolefin 163149-28-8	None	None	No	No	No	No
Soy Lecithin 8002-43-5	Not Available	None	No	No	No	No

**Literature Referenced Target Organ & Other Health Effects**

<b>Hazardous components</b>	<b>Health Effects/Target Organs</b>
Hydrocarbon Solvent 64742-47-8	Central nervous system, irritant
<b>Other components</b>	
Polyalphaolefin 163149-28-8	No target organs
Soy Lecithin 8002-43-5	No target organs

**12. ECOLOGICAL INFORMATION**

**Ecological information:** Harmful to aquatic organisms.

**13. DISPOSAL CONSIDERATIONS**

**Information provided is for unused product only.**

**Recommended method of disposal:** Dispose of contents/container in accordance with federal and local regulations.

**14. TRANSPORT INFORMATION**

**Transportation of Dangerous Goods – Ground:**

**Proper shipping name:** Petroleum Distillates, n.o.s. Not regulated in containers <119 Gal.

**Hazardous class or division:** 3  
**Identification number:** UN1268  
**Packing group:** III

**International Air Transportation (ICAO/IATA):**

**Proper shipping name:** Petroleum Distillates, n.o.s.  
**Hazardous class or division:** 3  
**Identification number:** UN 1268  
**Packing group:** III

**Water Transportation (IMO/IMDG):**

**Proper shipping name:** Petroleum Distillates, n.o.s.  
**Hazardous class or division:** 3  
**Identification number:** UN 1268  
**Packing group:** III  
**Marine pollutant:** Environmental effects have not been investigated.

**15. REGULATORY INFORMATION**

**Labeling according to EU guidelines:** The product has been classified and marked in accordance with EU Directives/Ordinance on Hazardous Materials.

**Code letter and hazard designation of product:**

Xn Harmful.

**Risk phrases:**

R10 Combustible (North America). Flammable (Elsewhere).  
20 Harmful by inhalation.  
36/37/38 Irritating to eyes, respiratory system and skin.  
65 Harmful: may cause lung damage if swallowed.  
51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.  
67 Vapors may cause drowsiness and dizziness.

**Safety phrases:**

2 Keep out of reach of children.  
23 Do not breathe fumes/aerosol.  
24 Avoid contact with skin.  
16 Keep away from sources of ignition-No smoking.  
51 Use only in well-ventilated areas.  
62 If swallowed, do not induce vomiting: seek medical advice immediately and show this container or label.

**Special labeling of certain preparations:**

Keep out of reach of children.

**National regulations:**

**Water hazard class:**

Water hazard class 1 (Self-assessment): slightly hazardous for water.

### **Canada Regulatory Information**

**CEPA DSL/NDSL Status:** All components are listed on or are exempt from listing on the Domestic Substances List.

### **United States Regulatory Information**

**TSCA 8 (b) Inventory Status:** All components are listed or are exempt from listing on the Toxic Substances Control Act Inventory.

## **SECTION 16: OTHER INFORMATION**

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the MSDS contains all the information required by the Controlled Product Regulations.

### **Risk phrases:**

65 Harmful: may cause lung damage if swallowed.

Data prepared by Environment protection department.