



## Material Safety Data Sheet

Issue Date: March 16, 2010  
Revised Date: May 17, 2012

Reason: Added ISO 680

### 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

**Product name:** Super Lube® Synthetic Gear Oil      **Item Nos:** 54100 through 54655

**Product use:** Gear Lubricant

**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

### 2. HAZARDS IDENTIFICATION

#### EMERGENCY OVERVIEW

**Physical state:** Liquid  
**Color:** Translucent  
**Odor:** Mild

**WHMIS hazard class:** Not Hazardous  
**HMIS codes:** Health - 1  
Fire - 1  
Physical - 0

**WARNING:**  
MAY CAUSE EYE, SKIN AND RESPIRATORY TRACT IRRITATION

**Relevant routes of exposure:** Skin, Inhalation, Eyes







#### **Potential Health Effects**

**Inhalation:** Mists may irritate the respiratory tracts and nasal passages.  
**Skin contact:** Irritating to skin.  
**Eye contact:** Contact with eyes may cause irritation.  
**Ingestion:** Not expected under normal conditions of use.

**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>
Acrylic Copolymer Trade secret  Xi,R36/38  N,R52	<2	Not Available	Not Available	None
Amine Phosphate 80939-62-4  Xi,R36/38  N,R52	<1.5	Not Available	Not Available	None
Olefin sulfide 72162-26-6  Xi,R36/38  N,R52	<1	1mg/m <sup>3</sup> TWA	Not Available	None

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

#### Other components

Polyalphaolefin 151006-63-2	<28	5mg/m <sup>3</sup> TWA (mist :) 10mg/m <sup>3</sup> STEL (mist :)	5mg/m <sup>3</sup> TWA (mist :)	None
White Mineral Oil 8042-47-5	<55	Not Available	Not Available	None
Ditridecyl adipate 16958-92-2	<15	5mg/m <sup>3</sup> TWA	Not Available	None
Octadecanoic acid, chlorinated 068611-20-1	<3	Not Established	Not Established	None
Polyisobutylene 9003-27-4	<.5	Not Available	Not Available	None

### 4. FIRST AID MEASURES

<b>Inhalation:</b>	Remove to fresh air. Restore breathing.
<b>Skin contact:</b>	After contact with skin, wash immediately with plenty of water. Immediately flush skin with plenty of water (using soap, if available). Get medical attention if symptoms develop and persist.
<b>Eye contact:</b>	Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Get medical attention.
<b>Ingestion:</b>	Do not induce vomiting. Get medical attention immediately.

**Notes to physician:** None

## 5. FIRE-FIGHTING MEASURES

**Flash point:** >200° C

**Autoignition temperature:** Not Determined

**Flammable/Explosive limits-lower %:** Not Determined

**Flammable/Explosive limits-upper %:** Not Determined

**Extinguishing media:** Carbon dioxide (CO2). Dry chemical. Foam.

**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:** Oil will float on water and can spread any fire.

**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 and place in appropriate waste container.

## 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 dry place. Keep away from heat and flame. Keep container tightly closed.

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

## Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

<b>Engineering controls:</b>	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>	Mild
<b>Odor Threshold:</b>	Not available
<b>Vapor pressure:</b>	<1 mmHg. @ 20° C
<b>pH:</b>	Not Determined
<b>Flash Point:</b>	>450°F/232°C (COC)
<b>Boiling point/range:</b>	Not Determined
<b>Melting point/range:</b>	Not applicable
<b>Specific gravity:</b>	0.88
<b>Vapor density:</b>	Heavier than air
<b>Evaporation rate:</b>	Slower than ether
<b>Solubility in water:</b>	Nil
<b>Partition coefficient (n-octano/water):</b>	Not Determined
<b>VOC content:</b>	Not Determined

## 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. Strong oxidizing agents.

## 11. TOXICOLOGICAL INFORMATION

<b>Product toxicity data:</b>	Not Determined
-------------------------------	----------------

**Toxicologically synergistic products:** Not Determined

**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>
Acrylic Copolymer	LD50(Rat) oral >2000 mg/kg	LD50(Rabbit) dermal >2000 mg/kg	No	No	No	No
Amine Phosphate 80939-62-4	LD50(Rat) oral >2000 mg/kg	None	No	No	No	No
Olefin sulfide 72162-26-6	LD50(Rat) oral >5000 mg/kg	LD50(Rabbit) dermal >2000 mg/kg	No	No	No	No
<b>Other components</b>						
Polyalphaolefin 163149-28-8	None	None	No	No	No	No
Mineral Oil 8042-42-5	LD50(Rat) >5000 mg/kg	None	No	No	No	No
Ditridecyladipate 16958-92-2	Inhalation LC50 Rat = >5000mg/m <sup>3</sup>	LD50(Rat) >15000 mg/kg	No	No	No	No
Octadecanoic acid, chlorinated 068611-20-1	None	None	No	No	No	No
Polyisobutylene 9003-27-4	None	None	No	No	No	No

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

<b>Hazardous components</b>	<b>Health Effects/Target Organs</b>
Acrylic Copolymer	Eye and skin irritant
Amine Phosphate 80939-62-4	Moderate eye and skin irritant
Olefin sulfide 72162-26-6	Exposure to high concentration of vapor or mist may cause eye, nose, throat or lung irritation
<b>Other components</b>	
Polyalphaolefin 163149-28-8	Prolonged contact may lead to skin irritation. Inhalation of mist or spray may be harmful.
Mineral Oil 8042-42-5	Prolonged contact may lead to skin irritation. Inhalation of mist or spray may be harmful.
Ditridecyladipate 16958-92-2	Prolonged contact may lead to skin irritation. Inhalation of mist or spray may be harmful.
Polyisobutylene 9003-27-4	Prolonged contact may lead to skin irritation. Inhalation of mist or spray may be harmful.

## 12. ECOLOGICAL INFORMATION

**Ecological information:** Not expected to be harmful to aquatic organisms.

## 13. DISPOSAL CONSIDERATIONS

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

**Recommended method of disposal:** Product is suitable for burning in an enclosed controlled burner for fuel value or disposal by supervised incineration at very high temperatures to prevent formation of undesirable combustion products.

## 14. TRANSPORT INFORMATION

### Transportation of Dangerous Goods – Ground:

<b>Proper shipping name:</b>	Not Regulated
<b>Hazardous class or division:</b>	None
<b>Identification number:</b>	None
<b>Packing group:</b>	None

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

<b>Proper shipping name:</b>	Not Regulated
<b>Hazardous class or division:</b>	None
<b>Identification number:</b>	None
<b>Packing group:</b>	None

### Water Transportation (IMO/IMDG):

<b>Proper shipping name:</b>	Not Regulated
<b>Hazardous class or division:</b>	None
<b>Identification number:</b>	None
<b>Packing group:</b>	None
<b>Marine pollutant:</b>	None

## 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:**

Xi Harmful.

**Risk phrases:**

36/37/38 - Irritating to eyes, respiratory system and skin.

**Safety phrases:**

2 Keep out of reach of children.

3/7 Keep container tightly closed in a cool place.

16 Keep away from sources of ignition-No smoking.

23 Do not breathe fumes/aerosol.

**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.

**Relevant R-phrases:**

36/38 Irritating to eyes and skin.

52 Harmful to aquatic organisms.

Data prepared by Environment protection department.