



## Material Safety Data Sheet

Issue Date: October 27, 2008

Revised Date: March 20, 2013

Reason: Added 32016.

### 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

**Product name:** Super Lube® Aerosol (low VOC)    **Item No:** 31040, 31110, 32015, 32016, 33006.

For all Aerosol products manufactured after January 1, 2003 with batch codes 3AZ-XXXX or later.

**Product use:** 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](mailto:info@super-lube.com)

### 2. HAZARDS IDENTIFICATION

#### EMERGENCY OVERVIEW

**Physical state:** Aerosol

**Color:** Translucent

**Odor:** Aliphatic

**WHMIS hazard class:** A, B.5

**HMIS codes:** Fire - 3

Health - 2

Reactance - 0

Other - 0



**DANGER:**

**EXTREMELY FLAMMABLE AEROSOL**

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

DO NOT SPRAY ON AN OPEN FLAME OR OTHER IGNITION SOURCE.

PRESSURIZED CONTAINER: DO NOT PIERCE OR BURN EVEN AFTER USE.

PROTECT FROM SUNLIGHT. DO NOT EXPOSE TO TEMPERATURES EXCEEDING 50°C/122°F

**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:**



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>
N-Heptane 142-82-5  Xn, Xi, F, N; R11-38-50/53-65-67	<50	400 ppm TWA 500 ppm STEL	2000 mg/m <sup>3</sup> TWA 500 ppm TWA	None
Hydro Treated Light Petroleum Distillate 64742-47-8  Xn, Xi, N; R38-R65-R51/53	<29	Not Established	5mg/m <sup>3</sup>	None

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

#### Other components

Polyalphaolefin 68037-01-4	<13	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 (petroleum) 8042-47-5	<7	5mg/m <sup>3</sup> TWA (mist :) 10mg/m <sup>3</sup> STEL (mist :)	5mg/m <sup>3</sup> TWA (mist :)	None
Antioxidant 41484-35-9	<0.5	Not established	Not established	None
Fumed Silica 68611-44-9	<3	10mg/m <sup>3</sup> TWA	6mg/m <sup>3</sup> TWA	None
Polytetrafluoroethylene 9002-84-0	<1	Not established	Not established	None
Polyglycol 025322-69-4	<0.5			AIHA WEEL is 50 ppm Total 10mg/m <sup>3</sup> aerosol only
Polyisobutylene 9003-27-4	<0.5	Not established	Not established	None
Carbon Dioxide 124-38-9	<4	5000 ppm TWA	9100mg/m <sup>3</sup>	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.
<b>Notes to physician:</b>	

#### 5. FIRE-FIGHTING MEASURES

<b>Flash point:</b>	Not available
<b>Autoignition temperature:</b>	Not available
<b>Flammable/Explosive limits-lower %:</b>	1.1 (vol %)
<b>Flammable/Explosive limits-upper %:</b>	7.0 (vol %)
<b>Extinguishing media:</b>	Carbon dioxide (CO <sub>2</sub> ). Dry chemical. Foam.
<b>Special fire fighting procedures:</b>	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.
<b>Unusual fire or explosion hazards:</b>	Closed containers may rupture (due to build up of pressure) when exposed to extreme heat.
<b>Hazardous combustion products:</b>	Oxides of carbon.
<b>Sensitivity to mechanical impact:</b>	Not available
<b>Sensitivity to static discharge:</b>	Not available

#### 6. ACCIDENTAL RELEASE MEASURES

<b>Environmental precautions:</b>	No information available
<b>Clean-up methods:</b>	Remove all ignition sources. Ventilate area. Soak up with inert absorbent.

## 7. HANDLING AND STORAGE

<b>Handling:</b>	Use only with adequate ventilation. Avoid contact with eyes, skin and clothing. Do not breathe mist or vapors.
<b>Storage:</b>	Do not puncture, incinerate, or expose to temperatures above 48.9° C (120° F). Heat from sunlight, radiators, stoves, hot water, and other heat sources could cause containers to burst.
<b>Incompatible products:</b>	None reasonably foreseeable.

## 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>	Aerosol
<b>Color:</b>	Translucent
<b>Odor:</b>	Aliphatic
<b>Odor Threshold:</b>	Not available
<b>Vapor pressure:</b>	5.0 – 5.5 BAR @ 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>	Not available
<b>Vapor density:</b>	Heavier than air
<b>Evaporation rate:</b>	Faster than ether
<b>Solubility in water:</b>	Not soluble
<b>Partition coefficient (n-octano/water):</b>	Not available
<b>VOC content:</b>	<50.0%

## 10. STABILITY AND REACTIVITY

**Stability:** Stable

**Hazardous polymerization:** Will not occur.

**Hazardous decomposition products:** None under normal use.

**Incompatibility:** None known.

**Conditions to avoid:** 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

Hazardous components	LD50s & LC50s	Other LD50s and LC50s	NTP Carcinogen	IARC Carcinogen	OSHA Carcinogen	ACGIH-Carcinogen
n-Heptane 142-82-5	Inhalation LC50 (Rat) = 103 g/m <sup>3</sup>	None	No	No	No	No
Petroleum Distillate 64742-47-8	Inhalation LC50 (Rat) = >5mg/l /4hr	Dermal LD50 (Rabbit) >2000 mg/kg	No	No	No	No
<b>Other components</b>						
Polyalphaolefin Proprietary	None	None	No	No	No	No
White mineral Oil (petroleum) 8042-47-5	Oral LD50 (Rat) >5000 mg/kg	None	No	No	No	No
Antioxidant 41484-35-6	Oral LD50 (Rat) >5000 mg/kg Dermal LD50(Rabbit) >3000 mg/kg Inhalation LC50 (Rat) >3.5 mg/m <sup>3</sup>	None	No	No	No	No
Fumed Silica 68611-44-9	Oral LD50 (Rat) >5000 mg/kg	None	No	No	No	No
Polytetra- fluoroethylene 9002-84-0	Not determined	None	No	No	No	No

Polyglycol 025322-69-4	Oral LD50 (Rats) >10,000 mg/kg Dermal LD50 (Rabbit) >10,000 mg/kg	None	No	No	No	No
Carbon Dioxide 124-38-9	Inhalation LC50 Human = 100000 ppm/min	None	No	No	No	No

### Literature Referenced Target Organ & Other Health Effects

Hazardous components	Health Effects/Target Organs
n-Heptane 142-82-5	Central nervous system, irritant
Petroleum Distillate 64742-47-8	Central nervous system, irritant
<b>Other components</b>	
Polyalphaolefin Proprietary	No target organs
White mineral oil (petroleum) 8042-47-5	Irritant
Antioxidant 41484-35-6	No target organs
Fumed Silica 68611-44-6	Nuisance dust, irritant to eyes and skin
Polytetrafluoroethylene 9002-84-0	Irritant
Polyglycol 025322-69-4	No target organs
Carbon Dioxide 124-38-9	Harmful by inhalation

## 12. ECOLOGICAL INFORMATION

**Ecological information:** Not available

## 13. DISPOSAL CONSIDERATIONS

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

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

## 14. TRANSPORT INFORMATION

### Transportation of Dangerous Goods – Ground:

**Proper shipping name:** Consumer Commodity, ORM-D, Limited Quantity  
**Hazardous class or division:** None  
**Identification number:** None  
**Packing group:** None

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

<b>Proper shipping name:</b>	Aerosols, Flammable
<b>Hazardous class or division:</b>	2.1
<b>Identification number:</b>	UN 1950
<b>Packing group:</b>	Y203
<b>Exceptions:</b>	(Not more than 500 ml) May qualify as Consumer Commodity ID8000

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

<b>Proper shipping name:</b>	Aerosols, LTD. QTY.
<b>Hazardous class or division:</b>	2
<b>Identification number:</b>	UN 1950
<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:**

F+ Extremely flammable.

Xn Harmful.

Xi Irritant.

N Dangerous for the environment.

**Risk phrases:**

12 Extremely flammable.

38 Irritating to skin

50/53 Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

65 Harmful: may cause lung damage if swallowed.

67 Vapors may cause drowsiness and dizziness.

**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.

24 Avoid contact with skin.

51 Use only in well ventilated areas.

**Special labeling of certain preparations:**

Pressurized container: protect from sunlight and do not expose to temperatures exceeding 50°C.  
Do not pierce or burn even after use.

**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 contains a chemical known to the state of California to cause cancer/reproductive harm.

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:**

11 Highly flammable

38 Irritating to skin.

50/53 Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

65 Harmful: may cause lung damage if swallowed.

67 Vapors may cause drowsiness and dizziness.

Data prepared by Environment protection department.