



## Material Safety Data Sheet

Issue Date: February 25, 2010

Revised Date: March 17, 2010

Reason: Added HMIS Ratings

### 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

**Product name:** Super Lube® Dri-Film Aerosol

**Item No:** 11006, 11016

**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

### 2. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

**Physical state:** Aerosol

**Color:** Translucent

**Odor:** Aliphatic

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

**HMIS RATING:**

Health: 1

Fire: 4

Physical: 0

**DANGER:**

CONTENTS UNDER PRESSURE

VAPOR MAY CAUSE FLASH FIRE

HARMFUL IF INHALED

CAUSES EYE, SKIN AND RESPIRATORY TRACT IRRITATION



**F+ EXTREMELY FLAMMABLE**

**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

Hazardous Components	%	ACGIH TLV	OSHA PEL	OTHER
Hexane 110-54-3	27-32	50 ppm TLV	176 mg/m <sup>3</sup> TWA	None
 Xn,  F,  N; R11-38-48/20-62-65-67-51/53				
Propane 74-98-6	27-32	1000 ppm TWA	1800mg/ m <sup>3</sup>	None
 F+; R12				
Butane 106-97-8	27-32	1000 ppm TWA	2400mg/ m <sup>3</sup>	None
 F+; R12				

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

#### Other components

Polytetrafluoroethylene 9002-84-0	3-5	Not established	Not established	None
Carbon Dioxide 124-38-9	1-3	5000 ppm TWA	9100mg/ m <sup>3</sup>	None
Proprietary Additives	1-2	Not established	Not established	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.

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

**Notes to physician:** Treatment:

## 5. FIRE-FIGHTING MEASURES

**Flash point:** Not available

**Autoignition temperature:** Not available

**Flammable/Explosive limits-lower %:** 1.1 (vol %)

**Flammable/Explosive limits-upper %:** 9.5 (vol %)

**Extinguishing media:** Carbon dioxide (CO<sub>2</sub>). 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:** Closed containers may rupture (due to build up of pressure) when exposed to temperatures exceeding 120°F (48.9°C).

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

**Sensitivity to mechanical impact:** Not available

**Sensitivity to static discharge:** Not available

## 6. ACCIDENTAL RELEASE MEASURES

**Environmental precautions:** No information available

**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:** 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.

**Incompatible products:** None reasonably foreseeable.

## 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.

**Respiratory protection:** If personal exposure cannot be controlled below applicable limits by ventilation, wear a properly fitted organic vapor/particulate respirator approved by NIOSH.

**Skin protection:** Chemical resistant, impermeable gloves.

**Eye/face protection:** Safety glasses with side-shields.

See Section 3 for exposure limits.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**Physical state:** Aerosol  
**Color:** Translucent  
**Odor:** Aliphatic  
**Odor Threshold:** Not available  
**Vapor pressure:** 5.0 – 5.5 BAR @ 20° C  
**pH:** Not applicable  
**Boiling point/range:** Not available  
**Melting point/range:** Not available  
**Specific gravity:** Not available  
**Vapor density:** Heavier than air  
**Evaporation rate:** Faster than ether  
**Solubility in water:** Not soluble  
**Partition coefficient (n-octano/water):** Not available  
**VOC content:** 99.2%

## 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
Hexane 110-54-3	Inhalation LC50 (Rat) = 620 g/m <sup>3</sup>	Oral Rat, LD50,25gm/kg	No	No	No	No
Propane 74-98-6	Inhalation LC50 (Rat) = 800000 ppm/15 min.		No	No	No	No
Butane 109-97-8	Inhalation LC50 (Rat) = 658 g/m <sup>3</sup> /4hrs		No	No	No	No
<b>Other components</b>						
Polytetrafluoroethylene 9002-84-0	Not determined	None	No	No	No	No
Carbon Dioxide 124-38-9	Inhalation LC50 Human = 100000 ppm/min.	None	No	No	No	No
Proprietary Additives	Not determined	None	No	No	No	No

### Literature Referenced Target Organ & Other Health Effects

Hazardous components	Health Effects/Target Organs
Hexane 110-54-3	Central nervous system, respiratory system, eyes, skin, peripheral nervous system, testes.
Propane 74-98-6	Central nervous system
Butane 109-97-8	Central nervous system
<b>Other components</b>	
Polytetrafluoroethylene 9002-84-0	Irritant
Carbon Dioxide 124-38-9	Harmful by inhalation
Proprietary Additives	Not determined

## 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  
**Hazardous class or division:** None  
**Identification number:** None  
**Packing group:** None

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

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

### Water Transportation (IMO/IMDG):

**Proper shipping name:** Aerosols, LTD. QTY.  
**Hazardous class or division:** 2  
**Identification number:** UN 1950  
**Packing group:** None  
**Marine pollutant:** 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.

### **Risk phrases:**

12 Extremely flammable.

52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

67 Vapors may cause drowsiness and dizziness.

**Safety phrases:**

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.  
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.  
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.

<b>SECTION 16: OTHER INFORMATION</b>
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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:**

12 Extremely flammable  
38 Irritating to skin.  
51/53 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.