



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: 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
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 ³ 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 ³	None
 F+; R12				
Butane 106-97-8	27-32	1000 ppm TWA	2400mg/ m ³	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 ³	None
Proprietary Additives	1-2	Not established	Not established	None

4. FIRST AID MEASURES

Inhalation:	Remove to fresh air. Restore breathing.
Skin contact:	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.
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: Not available

Autoignition temperature: Not available

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

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

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: 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 ³	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 ³ /4hrs		No	No	No	No
Other components						
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
Other components	
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.

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:

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.