



Material Safety Data Sheet

Issue Date: March 10, 2010

Revised Date: March 20, 2013

Reason: Revised to Current Date

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product name: Super Lube® Synthetic Penetrant Aerosol

Item No: 85011

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
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 codes: Fire - 3

Health - 2

Reactance - 0

Other - 0



WARNING:

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>
Hydrocarbon Solvent 64742-47-8	<75	Not Established	Not Established	None



Xn, N; R-65 Note: H

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

Other components

Polyalphaolefin 163149-28-8	<20	5mg/m ³ TWA (mist :) 10mg/m ³ STEL (mist :)	5mg/m ³ TWA (mist :)	None
Soy Lecithin 8002-43-5	<10	Not Available	Not Available	None
Carbon Dioxide 124-38-9	<5	5000 ppm TWA	9000 mg/ m ³ TWA	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:	68-74° C
Autoignition temperature:	236° C
Flammable/Explosive limits-lower %:	.6 (vol %)
Flammable/Explosive limits-upper %:	5.5 (vol %)

Extinguishing media:	Carbon dioxide (CO ₂). 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 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:	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:	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.
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:	<10 mmHg. @ 20° C
pH:	Not available
Boiling point/range:	Not available
Melting point/range:	Not available
Specific gravity:	0.85
Vapor density:	Heavier than air
Evaporation rate:	Slower than ether
Solubility in water:	Nil
Partition coefficient (n-octano/water):	Not available
VOC content:	<50%

10. STABILITY AND REACTIVITY

Stability:	Stable
Hazardous polymerization:	Will not occur.
Hazardous decomposition products:	None under normal use.
Incompatibility:	Strong oxidizing agents.
Conditions to avoid:	Heat, flames and sparks. Storage above 120° F.

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
Hydrocarbon Solvent 64742-47-8	Not Available	None	No	No	No	No
Other components						
Polyalphaolefin 163149-28-8	None	None	No	No	No	No
Soy Lecithin 8002-43-5	Not Available	None	No	No	No	No

Carbon Dioxide 124-38-9	Inhalation LC50 Human = 100000 ppm/min.	None	No	No	No	No
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Literature Referenced Target Organ & Other Health Effects

Hazardous components	Health Effects/Target Organs
Hydrocarbon Solvent 64742-47-8	Central nervous system, irritant
Other components	
Polyalphaolefin 163149-28-8	No target organs
Soy Lecithin 8002-43-5	No target organs
Carbon Dioxide 124-38-9	Harmful by inhalation

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 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 Flammable
Xn Harmful.

Risk phrases:

10 Flammable.
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.

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.

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.

Data prepared by Environment protection department.