Material Safety Data Sheet

Issue Date: April 13, 2012
Revised Date: May 1, 2012 Reason: Added Item No. 85032

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product name: Super Lube® Synthetic Penetrant **Item No: 85004, 85010, 85032, 85050, 85055**

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: Liquid
Color: Translucent
Odor: Aliphatic

WHMIS hazard class: B.3
HMIS codes: Fire - 2
Health - 1
Reactance - 0
Other - 0

WARNING:


Xi Irritant R: 36/37/38

FLAMMABLE R: 10
HARMFUL IF INHALED R: 20/65
CAUSES EYE, SKIN AND RESPIRATORY TRACT IRRITATION

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: Harmful by inhalation, may cause lung damage if swallowed.

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


Xn,

N; R-65

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

Other components

Polyalphaolefin 163149-28-8	<20	5mg/m³ TWA (mist :) 10mg/m³ STEL (mist :)	5mg/m³ TWA (mist :)	None
Soy Lecithin 8002-43-5	<10	Not Available	Not Available	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 (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 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:	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:	Liquid
Color:	Translucent
Odor:	Aliphatic
Odor Threshold:	Not available
Vapor pressure:	1 mmHg. @ 20° C
pH:	Not available
Boiling point/range:	Not available
Melting point/range:	Not available
Specific gravity:	0.85
Vapor density:	4.9
Evaporation rate:	Slower than ether
Solubility in water:	Nil
Partition coefficient (n-octano/water):	Not available
VOC content:	93%

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.

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

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

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: Petroleum Distillates, n.o.s. Not regulated in containers <119 Gal.
Hazardous class or division: 3
Identification number: UN1268
Packing group: III

International Air Transportation (ICAO/IATA):

Proper shipping name:	Petroleum Distillates, n.o.s.
Hazardous class or division:	3
Identification number:	UN 1268
Packing group:	III

Water Transportation (IMO/IMDG):

Proper shipping name:	Petroleum Distillates, n.o.s.
Hazardous class or division:	3
Identification number:	UN 1268
Packing group:	III
Marine pollutant:	Environmental effects have not been investigated.

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:
Xn Harmful.

Risk phrases:
R36/37/38 Irritating to eyes, respiratory system and skin.
R20/65 Harmful by inhalation, may cause lung damage if swallowed.
R10 combustible (North America). Flammable (Elsewhere).

Safety phrases:
S2 Keep out of reach of children.
S24 Avoid contact with skin.
S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical attention.
S62 If swallowed, do not induce vomiting; seek medical advice.
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:

38 Irritating to skin.
51/53 Toxic to aquatic organisims, 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.