

Safety Data Sheet

according to 1907/2006/EC, Article 31

Printing date 08.07.2013

Version number 1

Revision: 2.10.2013

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier

Trade name: Super Lube® Grease

Product Code(s):

82340, 21006, 21010, 21030, 21036, 41150, 41160, 41050, 41030, 41120, 41140, 21013, 21014, 21015, 41580, 11520/1, /0, /00, /000 identifies NLGI-1, 0, 00, or 000 consistency.
47-41040-5, 47-41040-5-SRS

1.2 Relevant identified uses of the substance or mixture and uses advised against

Application of the substance / the preparation: Lubricant.

1.3 Details of the supplier of the safety data sheet

Manufacturer/Supplier:

Synco Chemical Corporation
24 DaVinci Dr., P.O. Box 405
Bohemia, NY 11716
Tel: +1 631-567-5300
Internet: www.super-lube.com
E-Mail: info@super-lube.com

Further information obtainable from:

REACH Only Representative
B-Lands Consulting
WTC, 5 Place Robert Schuman, BP 1516
38025 Grenoble, FRANCE
Tel: +33 476 295 869
Fax: +33 476 295 870
services@reachteam.eu
www.reachteam.eu

1.4 Emergency telephone number

Emergency telephone: +1 800-424-9300
UK - National Poisons Emergency: +44 870 600 6266 (24h - health professionals only).

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008

This product is not classified as hazardous according to Regulation (EC) No 1272/2008.

Classification according to Directive 67/548/EEC or Directive 1999/45/EC

This product is not classified as dangerous according to Directive 67/548/EEC or Directive 1999/45/EC.

Classification according to WHMIS

This product is not classified as hazardous

2.2 Label elements

Labelling according to Regulation (EC) No 1272/2008: Not applicable.

Hazard pictograms: Not applicable.

Signal word: Not applicable.

Hazard statements: Not applicable.

2.3 Other hazards

Results of PBT and vPvB assessment

PBT: Not applicable.

vPvB: Not applicable.

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SECTION 3: Composition/information on ingredients

3.2 Mixtures

Hazardous components:		
CAS: 68037-01-4 NLP: 500-183-1	Dec-1-ene, homopolymer, hydrogenated Dec-1-ene, oligomers, hydrogenated (Polyalphaolefin). substance with a Community workplace exposure limit	50-100%
CAS: 8042-47-5 EINECS: 232-455-8	White mineral oil (petroleum) substance with a Community workplace exposure limit	10-25%
CAS: 68611-44-9 EINECS: 271-893-4	Silane, dichlorodimethyl-, reaction products with silica substance with a Community workplace exposure limit	2.5-10%
Non-hazardous components:		
9002-84-0	Polytetrafluoroethylene	2.5-10%
41484-35-9	Antioxidant	<2.5%
25322-69-4	Polypropylene glycol substance with a Community workplace exposure limit	<2.5%
9003-27-4	Polyisobutylene	<2.5%

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

SECTION 4: First aid measures

4.1 Description of first aid measures

General information: No special measures required.

After inhalation: Supply fresh air. Consult a doctor if symptoms persist.

After skin contact:

Wash with water and soap and rinse thoroughly.

Get medical attention if symptoms develop and persist.

After eye contact:

Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes.

Get medical attention.

After swallowing:

Do not induce vomiting.

If symptoms persist consult doctor.

4.2 Most important symptoms and effects, both acute and delayed

No further relevant information available.

4.3 Indication of any immediate medical attention and special treatment needed

No further relevant information available.

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing agents: Carbon dioxide (CO₂). Dry chemical. Foam.

5.2 Special hazards arising from the substance or mixture

No further relevant information available.

5.3 Advice for firefighters

Protective equipment:

Firefighters should wear adequate personal protective equipment with protection of respiratory tract (selfcontained breathing apparatus) (SCBA).

In addition, firefighters should wear flame and chemicals resistant clothing, boots and gloves.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

No special measures required.

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6.2 Environmental precautions Do not allow to enter sewers/ surface or ground water.

6.3 Methods and material for containment and cleaning up

Dispose of the material collected according to regulations.

6.4 Reference to other sections

Use according to good working practice and avoid releasing product into the environment (see Section 12).

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Good manufacturing procedures should be followed in handling and storage.

Information about fire - and explosion protection: No special measures required.

7.2 Conditions for safe storage, including any incompatibilities

Requirements to be met by storerooms and receptacles:

Store in a cool, dry place in tightly closed receptacles.

Information about storage in one common storage facility:

See the Section 10 (Incompatible materials)

Further information about storage conditions: None.**7.3 Specific end use(s):** No further relevant information available.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Ingredients with limit values that require monitoring at the workplace:	
68037-01-4 Dec-1-ene, homopolymer, hydrogenated Dec-1-ene, oligomers, hydrogenated (Polyalphaolefin).	
ACGIH TLV (Great Britain)	Short-term value: 10 mg/m ³ Long-term value: 5 mg/m ³ mist
OSHA PEL (Great Britain)	Long-term value: 5 mg/m ³ mist
8042-47-5 White mineral oil (petroleum)	
ACGIH TLV (Great Britain)	Short-term value: 10 mg/m ³ Long-term value: 5 mg/m ³ mist
OSHA PEL (Great Britain)	Long-term value: 5 mg/m ³ mist
68611-44-9 Silane, dichlorodimethyl-, reaction products with silica	
ACGIH TLV (Great Britain)	Long-term value: 10 mg/m ³
OSHA PEL (Great Britain)	Long-term value: 6 mg/m ³
25322-69-4 Polypropylene glycol	
AIHA WEEL (Great Britain)	(50 ppm (total); 10 mg/m ³ (aerosol only))

Additional information: The lists valid during the making were used as basis.

8.2 Exposure controls

Local exhaust ventilation is recommended when general ventilation is not sufficient to control airborne contamination below occupational exposure limits.

Personal protective equipment

General protective and hygienic measures:

The usual precautionary measures are to be adhered to when handling chemicals.

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Respiratory protection:

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

Protection of hands:



Protective gloves

The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC and the standard EN 374 derived from it.

Material of gloves: Nitrile or PVC, impermeable gloves.

Eye protection:



Safety glasses with side-shields (EN 166).

Body protection: Protective work clothing.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

General Information

Appearance:

Form: Semi Solid
Colour: Translucent.

Odour: Mild.

Odour threshold: Not determined.

pH-value: Not determined.

Melting point/Melting range: Not determined.

Boiling point/Boiling range: Not determined.

Flash point: >428°F (220 °C) COC

Flammability (solid, gaseous): Not determined.

Ignition temperature: Not determined.

Decomposition temperature: Not determined.

Danger of explosion: Product does not present an explosion hazard.

Explosion limits:

Lower: Not determined.
Upper: Not determined.

Oxidizing properties: Not determined.

Vapour pressure: Not determined.

Density at 20 °C: 0.89 g/cm³

Relative density: Not determined.

Vapour density: Not determined.

Evaporation rate: Not determined.

Solubility in / Miscibility with water: Not determined.

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Trade name: Super Lube® Grease**Partition coefficient (n-octanol/water):** Not determined.**Viscosity:****Dynamic:** Not determined.**Kinematic:** Not determined.**VOC (EC)** Essentially zero**9.2 Other information**

No further relevant information available.

SECTION 10: Stability and reactivity**10.1 Reactivity** No data available.**10.2 Chemical stability****Thermal decomposition / conditions to be avoided:**

No decomposition if used and stored according to specifications.

10.3 Possibility of hazardous reactions No dangerous reactions known.**10.4 Conditions to avoid** No further relevant information available.**10.5 Incompatible materials** Oxidizing agents.**10.6 Hazardous decomposition products**

Formation of toxic gases is possible during heating or in case of fire.

SECTION 11: Toxicological information**11.1 Information on toxicological effects****Acute toxicity****LD/LC50 values:****8042-47-5 White mineral oil (petroleum)**

Oral LD50 > 5000 mg/kg (Rat)

68611-44-9 Silane, dichlorodimethyl-, reaction products with silica

Oral LD50 > 5000 mg/kg (Rat)

41484-35-9 thiodiethylene bis[3-(3,5-di-tert-butyl-4-hydroxyphenyl)propionate]

Oral LD50 > 5000 g/Kg bw (Rat)

Dermal LD50 > 3000 mg/kg (Rabbit)

Inhalative LC50 > 3.5 mg/m³ (Rat)**25322-69-4 Polypropylene glycol**

Oral LD50 > 10000 mg/kg (Rat)

Dermal LD50 > 10000 mg/kg (Rabbit)

Literature Data: Target Organ & Human Health Effects

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68037-01-4 Dec-1-ene, homopolymer, hydrogenated Dec-1-ene, oligomers, hydrogenated (Polyalphaolefin).
No target organs

8042-47-5 White mineral oil (petroleum)
Irritant

41484-35-6 thiodiethylene bis[3-(3,5-di-tert-butyl-4-hydroxyphenyl)propionate]
No target organs

68611-44-6 Silane, dichlorodimethyl-, reaction products with silica
Nuisance dust, irritant to eyes and skin

9002-84-0 Polytetrafluoroethylene
Irritant

25322-69-4 Polypropylene glycol
No target organs

Potential Health Effects:**Inhalation:** Not expected to cause respiratory tract irritation during normal conditions of use.**Ingestion:** Not expected under normal conditions of use.**Primary irritant effect:****on the skin:** Frequent and prolonged skin contact may cause skin irritation.**on the eye:** May cause irritation.**Sensitization:** No sensitizing effects known.**Additional toxicological information:**

The product is not subject to classification according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version.

When used and handled according to specifications, the product does not have any harmful effects to our experience and the information provided to us.

SECTION 12: Ecological information

12.1 Toxicity**Aquatic toxicity:** No further relevant information available.**12.2 Persistence and degradability** No further relevant information available.**12.3 Bioaccumulative potential** No further relevant information available.**12.4 Mobility in soil** No further relevant information available.**General notes:**

Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water

Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

12.5 Results of PBT and vPvB assessment**PBT:** Not applicable.**vPvB:** Not applicable.**12.6 Other adverse effects** No further relevant information available.

SECTION 13: Disposal considerations

13.1 Waste treatment methods**Recommendation:** Do not allow product to reach sewage system.**Uncleaned packaging****Recommendation:**

Disposal must be made according to official regulations.

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Packaging that may not be cleansed must be disposed of in the same manner as the product.

SECTION 14: Transport information

14.1 UN Number

ADR, ADN, IMDG, IATA

Not applicable.

14.2 UN proper shipping name

ADR, ADN, IMDG, IATA

Not applicable.

14.3 Transport hazard class(es)

ADR, ADN, IMDG, IATA

Class

Not applicable.

14.4 Packing group

ADR, IMDG, IATA

Not applicable.

14.5 Environmental hazards

Marine pollutant:

No

14.6 Special precautions for user

Not applicable.

14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable.

SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

This safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006.

15.2 Chemical safety assessment A Chemical Safety Assessment has not been carried out.

SECTION 16: Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

Abbreviations and acronyms:

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

GHS: Globally Harmonized System of Classification and Labelling of Chemicals

VOC: Volatile Organic Compounds (USA, EU)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent