

Safety Data Sheet

according to 1907/2006/EC, Article 31

Printing date 08.07.2013

Version number 1

Revision: 27.01.2014

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

1.1 Product identifier

Trade name: Super Lube® Aerosol (low VOC)

Product Code(s):

31040, 31110, 32015, 32016, 33006.

For all Aerosol products manufactured after January 1, 2014 with batch codes 14001 Axx or later.

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:

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).

Ireland - National Poisons Information Centre: +353 1 8379964.

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008

Flam. Aerosol 1 H222-H229 Extremely flammable aerosol. Pressurised container: May burst if heated.

Aquatic Acute 1 H400 Very toxic to aquatic life.

Aquatic Chronic 1 H410 Very toxic to aquatic life with long lasting effects.

Skin Irrit. 2 H315 Causes skin irritation.

STOT SE 3 H336 May cause drowsiness or dizziness.

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.

Xi; Irritant

R38: Irritating to skin.

F+; Extremely flammable

R12: Extremely flammable.

N; Dangerous for the environment

R50/53: Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

R67: Vapours may cause drowsiness and dizziness.

2.2 Label elements

Labelling according to Regulation (EC) No 1272/2008:

The product is classified and labelled according to the CLP regulation.

Safety Data Sheet

according to 1907/2006/EC, Article 31

Printing date 08.07.2013

Version number 1

Revision: 27.01.2014

Trade name: Super Lube® Aerosol (low VOC)**Hazard pictograms:**

GHS02 GHS07 GHS09

Signal word: Danger**Hazard statements:**

H222-H229 Extremely flammable aerosol. Pressurised container: May burst if heated.
 H315 Causes skin irritation.
 H336 May cause drowsiness or dizziness.
 H410 Very toxic to aquatic life with long lasting effects.

Precautionary statements:

P210 Keep away from heat/sparks/open flames/hot surfaces. - No smoking.
 P211 Do not spray on an open flame or other ignition source.
 P251 Pressurized container: Do not pierce or burn, even after use.
 P280 Wear protective gloves/protective clothing/eye protection/face protection.
 P302+P352 IF ON SKIN: Wash with plenty of soap and water.
 P304+P340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
 P312 Call a POISON CENTER or doctor/physician if you feel unwell.
 P410+P412 Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F.
 P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

2.3 Other hazards**Results of PBT and vPvB assessment****PBT:** Not applicable.**vPvB:** Not applicable.**SECTION 3: Composition/information on ingredients****3.2 Mixtures**

Hazardous components:		
CAS: 142-82-5 EINECS: 205-563-8 Index number: 601-008-00-2	n-Heptane Xn R65; Xi R38; F R11; N R50/53 R67 Flam. Liq. 2, H225; Asp. Tox. 1, H304; Aquatic Acute 1, H400; Aquatic Chronic 1, H410; Skin Irrit. 2, H315; STOT SE 3, H336	20-25%
CAS: 64742-47-8 EINECS: 265-149-8 Index number: 649-422-00-2	Distillates (petroleum), hydrotreated light Xn R65 Asp. Tox. 1, H304	35-55%
CAS: 8042-47-5 EINECS: 232-455-8	White mineral oil (petroleum) substance with a Community workplace exposure limit	2.5-10%
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	2.5-10%
CAS: 124-38-9	Carbon Dioxide R44 Press. Gas, H280	2.5-10%
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:		
41484-35-9	Antioxidant	<2.5%
9002-84-0	Polytetrafluoroethylene	<2.5%

Safety Data Sheet

according to 1907/2006/EC, Article 31

Printing date 08.07.2013

Version number 1

Revision: 27.01.2014

Trade name: Super Lube® Aerosol (low VOC)

9003-27-4	Polyisobutylene	<2.5%
25322-69-4	Polypropylene glycol	<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

After inhalation:

Supply fresh air. If required, provide artificial respiration. Consult doctor if symptoms persist. In case of unconsciousness place patient stably in side position for transportation.

After skin contact:

Get medical attention if symptoms develop and persist. Immediately wash with water and soap and rinse thoroughly.

After eye contact:

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

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.

For safety reasons unsuitable extinguishing agents: Water with full jet.

5.2 Special hazards arising from the substance or mixture

Closed containers may rupture (due to build up of pressure) when exposed to extreme heat.

5.3 Advice for firefighters

Protective equipment:

Wear NIOSH/MSHA approved self-contained breathing apparatus and protective clothing.

Additional information:

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.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Do not inhale gases / fumes / aerosols.

Wear protective equipment. Keep unprotected persons away.

6.2 Environmental precautions

Inform respective authorities in case of seepage into water course or sewage system.

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

6.3 Methods and material for containment and cleaning up

Soak up with inert absorbent.

Ensure adequate ventilation.

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.

Safety Data Sheet

according to 1907/2006/EC, Article 31

Printing date 08.07.2013

Version number 1

Revision: 27.01.2014

Trade name: Super Lube® Aerosol (low VOC)

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Ensure good ventilation/exhaustion at the workplace.
Open and handle receptacle with care.

Information about fire - and explosion protection:

Do not spray onto a naked flame or any incandescent material.
Keep ignition sources away - Do not smoke.
Protect against electrostatic charges.

7.2 Conditions for safe storage, including any incompatibilities

Requirements to be met by storerooms and receptacles:

Store in a cool location.
Observe official regulations on storing packagings with pressurized containers.

Information about storage in one common storage facility: Store away from oxidizing agents.

Further information about storage conditions:

Store in cool, dry conditions in well sealed receptacles.
Protect from heat and direct sunlight.

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:	
142-82-5 n-Heptane	
ACGIH TLV (Great Britain)	Short-term value: 500 ppm Long-term value: 400 ppm
OSHA PEL (Great Britain)	Long-term value: 2000 mg/m ³ , 500 ppm
WEL (Great Britain)	Long-term value: 2085 mg/m ³ , 500 ppm
IOELV (EU)	Long-term value: 2085 mg/m ³ , 500 ppm
64742-47-8 Distillates (petroleum), hydrotreated light	
OSHA PEL (Great Britain)	5 mg/m ³
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
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
124-38-9 Carbon Dioxide	
ACGIH TLV (Great Britain)	Long-term value: 5000 ppm
OSHA PEL (Great Britain)	9100 mg/m ³
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

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

Safety Data Sheet

according to 1907/2006/EC, Article 31

Printing date 08.07.2013

Version number 1

Revision: 27.01.2014

Trade name: Super Lube® Aerosol (low VOC)**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: Keep away from foodstuffs, beverages and feed. Immediately remove all soiled and contaminated clothing Wash hands before breaks and at the end of work. Avoid contact with the eyes and skin.

Respiratory protection:

In case of brief exposure use respiratory filter device. In case of intensive or longer exposure use self-contained respiratory protective device. Use respirators and components tested and approved under appropriate standards such as CEN (Central European Norms).

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.

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: Aerosol.
Colour: Translucent.

Odour: Aliphatic.
Odour threshold: Not determined.

pH-value: Not determined.

Melting point/Melting range: Not determined.

Boiling point/Boiling range: Not applicable, as aerosol.

Flash point: Not applicable, as aerosol.

Flammability (solid, gaseous): Highly flammable.

Ignition temperature: Not determined.

Decomposition temperature: Not determined.

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

Explosion limits:

Lower: 1.1 % V
Upper: 7.0 % V

Oxidizing properties Not determined.

Safety Data Sheet

according to 1907/2006/EC, Article 31

Printing date 08.07.2013

Version number 1

Revision: 27.01.2014

Trade name: Super Lube® Aerosol (low VOC)

Vapour pressure at 20 °C:	5.0 – 5.5 Bar
Density:	Not determined.
Relative density	Not determined.
Vapour density	Heavier than air.
Evaporation rate	Faster than ether.
Solubility in / Miscibility with water:	Insoluble.
Partition coefficient (n-octanol/water):	Not determined.
Viscosity:	
Dynamic:	Not determined.
Kinematic:	Not determined.
VOC (EC)	< 25.0 %

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 Avoid all sources of ignition: heat, sparks, open flames.

10.5 Incompatible materials No further relevant information available.

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:		
142-82-5 n-Heptane		
Inhalative	LC50	103 g/m ³ (Rat) (Central nervous system, irritant)
64742-47-8 Distillates (petroleum), hydrotreated light		
Dermal	LD50	> 2000 mg/kg (Rabbit)
Inhalative	LC50/4h	≥ 5 mg/L (Rat)
8042-47-5 White mineral oil (petroleum)		
Oral	LD50	> 5000 mg/kg (Rat)
124-38-9 Carbon Dioxide		
Inhalative	LC50	100000 ppm/min (human)
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/m ³ (Rat)
25322-69-4 Polypropylene glycol		
Oral	LD50	> 10000 mg/kg (Rat)

Safety Data Sheet

according to 1907/2006/EC, Article 31

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Version number 1

Revision: 27.01.2014

Trade name: Super Lube® Aerosol (low VOC)

Dermal	LD50	> 10000 mg/kg (Rabbit)
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Primary irritant effect:**on the skin:** Irritant to skin and mucous membranes.**on the eye:** Direct contact may cause eye irritation.**Sensitization:** No sensitizing effects known.**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.

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.**Ecotoxicological effects:****Remark:** Very toxic for fish**General notes:**

Water hazard class 2 (German Regulation) (Self-assessment): hazardous for water

Do not allow product to reach ground water, water course or sewage system.

Danger to drinking water if even small quantities leak into the ground.

Also poisonous for fish and plankton in water bodies.

Very toxic for aquatic organisms

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.

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, IMDG, IATA**

UN1950

14.2 UN proper shipping name**ADR**1950 AEROSOLS, ENVIRONMENTALLY
HAZARDOUS**IMDG**

AEROSOLS (HEPTANES), MARINE POLLUTANT

IATA

AEROSOLS, flammable

Safety Data Sheet

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Revision: 27.01.2014

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14.3 Transport hazard class(es)**ADR**

Class 2 5F Gases.
Label 2.1

IMDG

Class 2.1
Label 2.1

IATA

Class 2.1
Label 2.1

14.4 Packing group

ADR, IMDG Not applicable.

14.5 Environmental hazards

Product contains environmentally hazardous substances: n-Heptane

Marine pollutant:

Yes

14.6 Special precautions for user

Warning: Gases.

Danger code (Kemler):

-

EMS Number:

F-D,S-U

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

Not applicable.

Transport/Additional information:**ADR****Tunnel restriction code:**

D

IATA**Remarks:**

(Not more than 500 ml) May qualify as Consumer Commodity ID8000

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.

Information about limitation of use:

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.

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Relevant phrases

- H225 Highly flammable liquid and vapour.
H280 Contains gas under pressure; may explode if heated.
H304 May be fatal if swallowed and enters airways.
H315 Causes skin irritation.
H336 May cause drowsiness or dizziness.
H400 Very toxic to aquatic life.
H410 Very toxic to aquatic life with long lasting effects.
- R11 Highly flammable.
R38 Irritating to skin.
R44 Risk of explosion if heated under confinement.
R50/53 Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R65 Harmful: may cause lung damage if swallowed.
R67 Vapours may cause drowsiness and dizziness.

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