1 Identification

- **Product identifier**
  - Trade name: Super Lube® Metal Protectant and Corrosion Inhibitor Aerosol
  - Other means of identification: No other identifiers
- **Recommended use and restriction on use**
  - Recommended use:
    - Penetrating oil
    - Lubricant
  - Restrictions on use: No relevant information available.
- **Details of the supplier of the Safety Data Sheet**
  - Manufacturer/Supplier:
    Synco Chemical Corporation
    24 DaVinci Dr., P.O. Box 405
    Bohemia, NY 11716
    Telephone: 631-567-5300
    Email: info@super-lube.com
  - Emergency telephone number:
    CHEMTREC
    1-800-424-9300 (US/Canada)
    +01 703-527-3887 (International)

2 Hazard(s) identification

- **Classification of the substance or mixture**
  - Flam. Aerosol 1 H222 Extremely flammable aerosol.
  - Press. Gas H280 Contains gas under pressure; may explode if heated.
  - Skin Irrit. 2 H315 Causes skin irritation.
  - STOT SE 3 H336 May cause drowsiness or dizziness.
  - Asp. Tox. 1 H304 May be fatal if swallowed and enters airways.

- **Label elements**
  - GHS label elements
    The product is classified and labeled according to the Globally Harmonized System (GHS).
  - Hazard pictograms:
    ![GHS pictograms](image)
    GHS02 GHS04 GHS07 GHS08

- **Signal word**: Danger
- **Hazard statements**:
  - H222 Extremely flammable aerosol.
  - H280 Contains gas under pressure; may explode if heated.
  - H315 Causes skin irritation.
  - H336 May cause drowsiness or dizziness.
  - H304 May be fatal if swallowed and enters airways.
- **Precautionary statements**:
  - P210 Keep away from heat/sparks/open flames/hot surfaces. - No smoking.

(Cont'd. on page 2)
Trade name: Super Lube® Metal Protectant and Corrosion Inhibitor Aerosol

P211  Do not spray on an open flame or other ignition source.
P251  Pressurized container: Do not pierce or burn, even after use.
P261  Avoid breathing mist/vapors/spray.
P264  Wash thoroughly after handling.
P271  Use only outdoors or in a well-ventilated area.
P280  Wear protective gloves and eye protection.
P301+P310 If swallowed: Immediately call a poison center/doctor.
P331  Do NOT induce vomiting.
P302+P352 If on skin: Wash with plenty of water.
P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P332+P364 Take off contaminated clothing and wash it before reuse.
P403  Store in a well-ventilated place.
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.

- Other hazards  There are no other hazards not otherwise classified that have been identified.

3 Composition/information on ingredients

- Chemical characterization: Mixtures

- Components:

<table>
<thead>
<tr>
<th>Component Code</th>
<th>Chemical Name</th>
<th>Identity and/or exact percentage(s)</th>
</tr>
</thead>
<tbody>
<tr>
<td>64742-47-8</td>
<td>Distillates (petroleum), hydrotreated light</td>
<td>50-100%</td>
</tr>
<tr>
<td></td>
<td>Asp. Tox. 1, H304</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Flam. Liq. 4, H227</td>
<td></td>
</tr>
<tr>
<td>142-82-5</td>
<td>heptane</td>
<td>10-25%</td>
</tr>
<tr>
<td></td>
<td>Flam. Liq. 2, H225</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Asp. Tox. 1, H304</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Skin Irrit. 2, H315; STOT SE 3, H336</td>
<td></td>
</tr>
<tr>
<td>124-38-9</td>
<td>carbon dioxide</td>
<td>2.5-10%</td>
</tr>
<tr>
<td></td>
<td>Press. Gas, H280</td>
<td></td>
</tr>
</tbody>
</table>

- Additional information:
  For the listed ingredient(s), the identity and/or exact percentage(s) are being withheld as a trade secret.
  For the wording of the listed Hazard Statements, refer to section 16.

4 First-aid measures

- Description of first aid measures

  - After inhalation:
    Supply fresh air; consult doctor in case of complaints.
    Provide oxygen treatment if affected person has difficulty breathing.

  - After skin contact:
    Immediately remove any clothing soiled by the product.
    Immediately wash with water and soap and rinse thoroughly.
    If skin irritation continues, consult a doctor.

  - After eye contact:
    Remove contact lenses if worn.
Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.

**After swallowing:**
Unlikely route of exposure.
Rinse out mouth and then drink plenty of water.
Do not induce vomiting; immediately call for medical help.
A person vomiting while lying on their back should be turned onto their side.

**Most important symptoms and effects, both acute and delayed:**
Frostbite
Coughing
Breathing difficulty
Dizziness
Nausea
Slight irritant effect on eyes.
Irritant to skin and mucous membranes.

**Danger:**
Danger of pulmonary edema.
Danger of pneumonia.
Danger of impaired breathing.

**Indication of any immediate medical attention and special treatment needed:**
If swallowed, gastric irrigation with added, activated carbon.
If swallowed or in case of vomiting, danger of entering the lungs.
Medical supervision for at least 48 hours.
If necessary oxygen respiration treatment.
Later observation for pneumonia and pulmonary edema.
Treat frost-bitten areas appropriately.

### 5 Fire-fighting measures

**Extinguishing media**

**Suitable extinguishing agents:**
CO2, extinguishing powder or water spray. Fight larger fires with water spray.

**For safety reasons unsuitable extinguishing agents:** Water stream.

**Special hazards arising from the substance or mixture**
Formation of toxic gases is possible during heating or in case of fire.
Danger of receptacles bursting because of high vapor pressure if heated.

**Advice for firefighters**

**Protective equipment:**
Wear self-contained respiratory protective device.
Wear fully protective suit.

**Additional information:**
Eliminate all ignition sources if safe to do so.
Leaking gas fire: Do not extinguish, unless leak can be stopped safely.
Cool endangered containers with water fog.

### 6 Accidental release measures

**Personal precautions, protective equipment and emergency procedures**
Use respiratory protective device against the effects of fumes/dust/aerosol.
7 Handling and storage

- Handling
  - Precautions for safe handling:
    - Keep out of reach of children.
    - Use only in well ventilated areas.
    - Keep away from heat and direct sunlight.
    - Avoid splashes or spray in enclosed areas.
  - Information about protection against explosions and fires:
    - Protect against electrostatic charges.
    - Emergency cooling must be available in case of nearby fire.
    - Keep ignition sources away - Do not smoke.
    - Do not spray on a naked flame or any incandescent material.
    - Pressurized container: protect from sunlight and do not expose to temperatures exceeding 120 °F / 49 °C, i.e. electric lights. Do not pierce or burn, even after use.

- Conditions for safe storage, including any incompatibilities
- Requirements to be met by storerooms and receptacles:
  - Observe official regulations on storing packagings with pressurized containers.
  - Avoid storage near extreme heat, ignition sources or open flame.
- Information about storage in one common storage facility:
  - Store away from foodstuffs.
  - Store away from oxidizing agents.

- Further information about storage conditions:
  - Store in a cool place. Heat will increase pressure and may lead to the receptacle bursting.

- Specific end use(s) No relevant information available.

8 Exposure controls/personal protection

- Control parameters
- Components with limit values that require monitoring at the workplace:
Exposure controls

General protective and hygienic measures:
The usual precautionary measures for handling chemicals should be followed.
Keep away from foodstuffs, beverages and feed.
Immediately remove all soiled and contaminated clothing.
Wash hands before breaks and at the end of work.
Do not inhale gases / fumes / aerosols.
Avoid contact with the eyes and skin.

Engineering controls: No relevant information available.

Breathing equipment:
Not required under normal conditions of use.
Use suitable respiratory protective device in case of insufficient ventilation.
For spills, respiratory protection may be advisable.

Protection of hands:

Protective gloves
## 9 Physical and chemical properties

### Information on basic physical and chemical properties

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Appearance</strong></td>
<td></td>
</tr>
<tr>
<td>Form</td>
<td>Aerosol</td>
</tr>
<tr>
<td>Color</td>
<td>Translucent</td>
</tr>
<tr>
<td>Odor</td>
<td>Solvent-like</td>
</tr>
<tr>
<td>Odor threshold</td>
<td>Not determined.</td>
</tr>
<tr>
<td><strong>pH-value</strong></td>
<td>Not determined.</td>
</tr>
<tr>
<td>Melting point/Melting range</td>
<td>Not applicable, as aerosol.</td>
</tr>
<tr>
<td>Boiling point/Boiling range</td>
<td>Not applicable, as aerosol.</td>
</tr>
<tr>
<td><strong>Flash point</strong></td>
<td>Extremely flammable aerosol.</td>
</tr>
<tr>
<td><strong>Flammability (solid, gaseous)</strong></td>
<td>Extremely flammable aerosol.</td>
</tr>
<tr>
<td>Auto-ignition temperature</td>
<td>210 °C (410 °F)</td>
</tr>
<tr>
<td>Decomposition temperature</td>
<td>Not determined.</td>
</tr>
<tr>
<td>Danger of explosion</td>
<td>Not determined.</td>
</tr>
<tr>
<td><strong>Explosion limits</strong></td>
<td></td>
</tr>
<tr>
<td>Lower</td>
<td>1.1 Vol %</td>
</tr>
<tr>
<td>Upper</td>
<td>7 Vol %</td>
</tr>
<tr>
<td><strong>Oxidizing properties</strong></td>
<td>Non-oxidizing.</td>
</tr>
<tr>
<td><strong>Vapor pressure</strong></td>
<td>Not determined.</td>
</tr>
<tr>
<td><strong>Density</strong></td>
<td></td>
</tr>
<tr>
<td>Relative density</td>
<td>Not determined.</td>
</tr>
<tr>
<td>Vapor density</td>
<td>Not determined.</td>
</tr>
<tr>
<td>Evaporation rate</td>
<td>Not applicable.</td>
</tr>
<tr>
<td><strong>Solubility in / Miscibility with Water</strong></td>
<td>Not miscible or difficult to mix.</td>
</tr>
<tr>
<td><strong>Partition coefficient (n-octanol/water)</strong></td>
<td>Not determined.</td>
</tr>
<tr>
<td><strong>Viscosity</strong></td>
<td></td>
</tr>
<tr>
<td>Dynamic</td>
<td>Not determined.</td>
</tr>
<tr>
<td>Kinematic</td>
<td>Not determined.</td>
</tr>
</tbody>
</table>
Trade name: Super Lube® Metal Protectant and Corrosion Inhibitor Aerosol

10 Stability and reactivity

- **Reactivity**: No relevant information available.
- **Chemical stability**:
- **Thermal decomposition / conditions to be avoided**:
  Danger of receptacles bursting because of high vapor pressure if heated.
- **Possibility of hazardous reactions**
  Develops readily flammable gases / fumes.
  Can form explosive mixtures in air if heated above flash point and/or when sprayed or atomized.
  Extremely flammable aerosol.
  Used empty containers may contain product gases which form explosive mixtures with air.
  Reacts with strong oxidizing agents.
  Toxic fumes may be released if heated above the decomposition point.
- **Conditions to avoid**
  Keep ignition sources away - Do not smoke.
  Keep away from heat and direct sunlight.
- **Incompatible materials** Oxidizers
- **Hazardous decomposition products** Carbon monoxide and carbon dioxide

11 Toxicological information

- **Information on toxicological effects**
- **Acute toxicity**: Based on available data, the classification criteria are not met.

<table>
<thead>
<tr>
<th>LD/LC50 values that are relevant for classification:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Distillates (petroleum), hydrotreated light</td>
</tr>
<tr>
<td>Oral L50 &gt; 5000 mg/kg (rat)</td>
</tr>
<tr>
<td>Dermal L50 &gt;2000 mg/kg (rabbit)</td>
</tr>
<tr>
<td>142-82-5 heptane</td>
</tr>
<tr>
<td>Oral L50 &gt; 5000 mg/kg (rat) (Estimate)</td>
</tr>
<tr>
<td>Inhalative LC50/4h 103 mg/l (rat)</td>
</tr>
</tbody>
</table>

- **Primary irritant effect**: 
  - **On the skin**: Irritant to skin and mucous membranes.
  - **On the eye**: Based on available data, the classification criteria are not met.
  - **Sensitization**: No sensitizing effects known.

<table>
<thead>
<tr>
<th>IARC (International Agency for Research on Cancer):</th>
</tr>
</thead>
<tbody>
<tr>
<td>None of the ingredients are listed.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>NTP (National Toxicology Program):</th>
</tr>
</thead>
<tbody>
<tr>
<td>None of the ingredients are listed.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>OSHA-Ca (Occupational Safety &amp; Health Administration):</th>
</tr>
</thead>
<tbody>
<tr>
<td>(Cont'd. on page 8)</td>
</tr>
</tbody>
</table>
12 Ecological information

- **Toxicity**
  - **Aquatic toxicity** Toxic for aquatic organisms
- **Persistence and degradability** No relevant information available.
- **Bioaccumulative potential**: No relevant information available.
- **Mobility in soil**: No relevant information available.
- **Additional ecological information**
  - **General notes**: Do not allow product to reach ground water, water course or sewage system.
- **Results of PBT and vPvB assessment**
  - **PBT**: Not applicable.
  - **vPvB**: Not applicable.
- **Other adverse effects** No relevant information available.

13 Disposal considerations

- **Waste treatment methods**
  - **Recommendation**: Contact waste processors for recycling information.
  - The user of this material has the responsibility to dispose of unused material, residues and containers in compliance with all relevant local, state and federal laws and regulations regarding treatment, storage and disposal for hazardous and nonhazardous wastes.
- **Uncleaned packagings**
  - **Recommendation**: Disposal must be made according to official regulations.

14 Transport information

- **UN-Number**
  - DOT, ADR, IMDG, IATA: UN1950
- **UN proper shipping name**
  - DOT: Aerosols
  - ADR, IMDG: AEROSOLS
## Trade name: Super Lube® Metal Protectant and Corrosion Inhibitor Aerosol

<table>
<thead>
<tr>
<th>IATA</th>
<th>Aerosols, flammable</th>
</tr>
</thead>
<tbody>
<tr>
<td>Transport hazard class(es)</td>
<td></td>
</tr>
<tr>
<td>DOT</td>
<td></td>
</tr>
<tr>
<td>Class</td>
<td>2.1</td>
</tr>
<tr>
<td>Label</td>
<td>2.1</td>
</tr>
<tr>
<td>ADR</td>
<td></td>
</tr>
<tr>
<td>Class</td>
<td>2.5F</td>
</tr>
<tr>
<td>Label</td>
<td>2.1</td>
</tr>
<tr>
<td>IMDG, IATA</td>
<td></td>
</tr>
<tr>
<td>Class</td>
<td>2.1</td>
</tr>
<tr>
<td>Label</td>
<td>2.1</td>
</tr>
</tbody>
</table>

### Packing group
- Aerosols are not assigned a packing group.

### Environmental hazards
- Product contains environmentally hazardous substances: heptane

### Marine pollutant:
- Yes

### Special precautions for user
- Warning: Gases
- Danger code (Kepler): -
- EMS Number: F-D,S-U

### Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code
- Not applicable.

### Transport/Additional information:
- DOT
  - Limited Quantity for packages less than 30 kg gross and inner packagings less than 1 L.
- ADR

(Cont'd. on page 10)
Safety Data Sheet
acc. to OSHA HCS (29CFR 1910.1200) and WHMIS 2015 Regulations
Revision: August 1, 2019

Trade name: Super Lube® Metal Protectant and Corrosion Inhibitor Aerosol

Limited Quantity for packages less than 30 kg gross and inner packagings less than 1 L.

IMDG

Limited Quantity for packages less than 30 kg gross and inner packagings less than 1 L.

IATA

Limited Quantity for packages less than 30 kg gross and inner packagings less than 1 L.

15 Regulatory information

- Safety, health and environmental regulations/legislation specific for the substance or mixture
  - United States (USA)
    - SARA
      - Section 302 (extremely hazardous substances):
        None of the ingredients are listed.
      - Section 355 (extremely hazardous substances):
        None of the ingredients are listed.
      - Section 313 (Specific toxic chemical listings):
        None of the ingredients are listed.
  - TSCA (Toxic Substances Control Act)
    All ingredients are listed.
  - Proposition 65 (California)
    - Chemicals known to cause cancer:
      None of the ingredients are listed.
    - Chemicals known to cause developmental toxicity for females:
      None of the ingredients are listed.
    - Chemicals known to cause developmental toxicity for males:
      None of the ingredients are listed.
    - Chemicals known to cause developmental toxicity:
      None of the ingredients are listed.
  - EPA (Environmental Protection Agency):
    142-82-5 | heptane
  - IARC (International Agency for Research on Cancer):
    None of the ingredients are listed.

(Cont'd. on page 11)
Trade name: Super Lube® Metal Protectant and Corrosion Inhibitor Aerosol

Canadian Domestic Substances List (DSL) (Substances not listed):
All ingredients are listed.

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: European Agreement concerning the International Carriage of Dangerous Goods by Road
IMDG: International Maritime Code for Dangerous Goods
DOT: US Department of Transportation
IATA: International Air Transport Association
CAS: Chemical Abstracts Service (division of the American Chemical Society)
LC50: Lethal concentration, 50 percent
LD50: Lethal dose, 50 percent
PBT: Persistant, Bio-accumulable, Toxic
vPvB: very Persistent and very Bioaccumulative
OSHA: Occupational Safety & Health Administration
Flam. Aerosol 1: Aerosols – Category 1
Press. Gas: Gases under pressure – Compressed gas
Press. Gas: Gases under pressure – Liquefied gas
Flam. Liq. 2: Flammable liquids – Category 2
Flam. Liq. 4: Flammable liquids – Category 4
Skin Irrit. 2: Skin corrosion/irritation – Category 2
STOT SE 3: Specific target organ toxicity (single exposure) – Category 3
Asp. Tox. 1: Aspiration hazard – Category 1

Sources
Website, European Chemicals Agency (echa.europa.eu)
Website, US EPA Substance Registry Services (ofmpub.epa.gov/sor internet/registry/substreg/home/overview/home.do)
Website, Chemical Abstracts Registry, American Chemical Society (www.cas.org)
Safety Data Sheets, Individual Manufacturers
SDS Prepared by:
SDS created by Environmental Protection Department