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

1.1 Product identifier
- Trade name: Super Lube® Dri-Film Lubricant with Syncolon® (PTFE) (aerosol)

1.2 Relevant identified uses of the substance or mixture and uses advised against
No further relevant information available.

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
Telephone: 631-567-5300
Email: info@super-lube.com
Further information obtainable from: Product Safety Department

1.4 Emergency telephone number:
ChemTel
1-800-255-3924 (US/Canada), 1-813-248-0585 (International), 1-300-954-583 (Australia),
0-800-591-6042 (Brazil), 400-120-0751 (China), 000-800-100-4086 (India), 800-099-0731 (Mexico)

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture
Classification according to Regulation (EU) No 2015/830

- GHS02 flame

- GHS08 health hazard
  Repr. 2 H361f Suspected of damaging fertility.
  STOT RE 2 H373 May cause damage to the nervous system through prolonged or repeated exposure. Route of exposure: Inhalative.

- GHS09 environment
  Aquatic Chronic 2 H411 Toxic to aquatic life with long lasting effects.

- GHS07
  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.

(Contd. on page 2)
· Information concerning particular hazards for human and environment:

The product has to be labelled due to the calculation procedure of the "General Classification guideline for preparations of the EU" in the latest valid version.

Warning! Pressurised container.

· Classification system:

The classification is according to the latest editions of the EU-lists, and extended by company and literature data.

The classification is in accordance with the latest editions of international substances lists, and is supplemented by information from technical literature and by information provided by the company.

· Additional information: 0 percent of the mixture consists of component(s) of unknown toxicity

---

· 2.2 Label elements

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

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

· Hazard pictograms

[Images of hazard pictograms]

GHS02 GHS07 GHS08 GHS09

· Signal word Danger

· Hazard-determining components of labelling:

n-hexane

· Hazard statements

H222-H229 Extremely flammable aerosol. Pressurised container: May burst if heated.
H315 Causes skin irritation.
H361f Suspected of damaging fertility.
H336 May cause drowsiness or dizziness.
H373 May cause damage to the nervous system through prolonged or repeated exposure. Route of exposure: Inhalative.
H411 Toxic to aquatic life with long lasting effects.

(Contd. on page 3)
Trade name: Super Lube® Dri-Film Lubricant with Syncolon® (PTFE) (aerosol)

**Precautionary statements**

- **P210** Keep away from heat/sparks/open flames/hot surfaces. - No smoking.
- **P251** Pressurized container: Do not pierce or burn, even after use.
- **P260** Do not breathe mist/vapours/spray.
- **P281** Use personal protective equipment as required.
- **P202** Do not handle until all safety precautions have been read and understood.
- **P312** Call a POISON CENTER/doctor if you feel unwell.
- **P302+P352** IF ON SKIN: Wash with plenty of water.
- **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.

**Additional information:**

Pressurized container: protect from sunlight and do not expose to temperatures exceeding 50°C. Do not pierce or burn, even after use.

Do not spray on a naked flame or any incandescent material. Keep away from sources of ignition - No smoking.

**Hazard description:**

**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

**Description:** Mixture of substances listed below with nonhazardous additions.

**Dangerous components:**

<table>
<thead>
<tr>
<th>CAS</th>
<th>EINECS</th>
<th>Index number</th>
<th>Substance</th>
<th>Concentration</th>
</tr>
</thead>
<tbody>
<tr>
<td>110-54-3</td>
<td>203-777-6</td>
<td>601-037-00-0</td>
<td>n-hexane</td>
<td>25-50%</td>
</tr>
<tr>
<td>74-98-6</td>
<td>200-827-9</td>
<td>601-003-00-5</td>
<td>propane</td>
<td>25-50%</td>
</tr>
<tr>
<td>106-97-8</td>
<td>203-448-7</td>
<td>601-004-00-0</td>
<td>butane</td>
<td>25-50%</td>
</tr>
<tr>
<td>124-38-9</td>
<td>204-696-9</td>
<td></td>
<td>carbon dioxide</td>
<td>2.5-10%</td>
</tr>
</tbody>
</table>

*(Contd. on page 4)*
SECTION 4: First aid measures

4.1 Description of first aid measures

General information:
Take affected persons out into the fresh air.
Immediately remove any clothing soiled by the product.
Symptoms of poisoning may even occur after several hours; therefore medical observation for at least 48 hours after the accident.

After inhalation:
Supply fresh air; consult doctor in case of complaints.
Provide oxygen treatment if affected person has difficulty breathing.
In case of unconsciousness place patient stably in side position for transportation.

After skin contact:
Immediately wash with water and soap and rinse thoroughly.
If skin irritation continues, consult a doctor.
In cases of frostbite, rinse with plenty of water. Do not remove clothing.

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; call for medical help immediately.
A person vomiting while laying on their back should be turned onto their side.

4.2 Most important symptoms and effects, both acute and delayed

Headache
Breathing difficulty
Frostbite
Dizziness
Coughing
Irritant to skin and mucous membranes.
Slight irritant effect on eyes.

Hazards
Vapours have narcotic effect.
Danger of disturbed cardiac rhythm.
Condition may deteriorate with alcohol consumption.
Danger of impaired breathing.
May cause neurotoxic effects.
Suspected of damaging fertility or the unborn child.

4.3 Indication of any immediate medical attention and special treatment needed

Later observation for pneumonia and pulmonary oedema.
Treat frost-bitten areas appropriately.
If swallowed or in case of vomiting, danger of entering the lungs.
Medical supervision for at least 48 hours.
SECTION 5: Firefighting measures

- 5.1 Extinguishing media
  - Suitable extinguishing agents:
    - Alcohol resistant foam
    - Carbon dioxide
    - Fire-extinguishing powder
    - Gaseous extinguishing agents
  - For safety reasons unsuitable extinguishing agents: Water

- 5.2 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 vapour pressure when heated.

- 5.3 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.
    - Cool endangered receptacles with water fog or haze.
    - Leaking gas fire: Do not extinguish, unless leak can be stopped safely.

SECTION 6: Accidental release measures

- 6.1 Personal precautions, protective equipment and emergency procedures
  - Use respiratory protective device against the effects of fumes/dust/aerosol.
  - Ensure adequate ventilation
  - Wear protective equipment. Keep unprotected persons away.
  - Keep away from ignition sources.
  - Protect from heat.
- 6.2 Environmental precautions:
  - Do not allow product to reach sewage system or any water course.
  - Inform respective authorities in case of seepage into water course or sewage system.
- 6.3 Methods and material for containment and cleaning up:
  - Allow to evaporate.
  - Absorb with non-combustible liquid-binding material (sand, diatomite, acid binders, universal binders).
  - Send for recovery or disposal in suitable receptacles.
  - Dispose contaminated material as waste according to item 13.
- 6.4 Reference to other sections
  - 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
Open and handle receptacle with care.
Use only in well ventilated areas.
Keep away from heat and direct sunlight.

Information about fire - and explosion protection:
Do not spray onto a naked flame or any incandescent material.
Keep ignition sources away - Do not smoke.
Pressurised container: protect from sunlight and do not expose to temperatures exceeding 50 °C, i.e. electric lights. Do not pierce or burn, even after use.
Emergency cooling must be available in case of nearby fire.
Keep respiratory protective device available.

7.2 Conditions for safe storage, including any incompatibilities
Storage:
Requirements to be met by storerooms and receptacles:
Store in a cool location.
Observe official regulations on storing packagings with pressurised containers.
Avoid storage near extreme heat, ignition sources or open flame.

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

Further information about storage conditions:
Store in a cool place. Heat will increase pressure and may lead to the receptacle bursting.
Protect from heat and direct sunlight.
Storage Temperatures: <122 °F / <50 °C.

7.3 Specific end use(s) No further relevant information available.

SECTION 8: Exposure controls/personal protection

Additional information about design of technical facilities: No further data; see item 7.

8.1 Control parameters

Ingredients with limit values that require monitoring at the workplace:

<table>
<thead>
<tr>
<th></th>
<th>IOELV (EU)</th>
<th>PEL (USA)</th>
<th>REL (USA)</th>
<th>TLV (USA)</th>
<th>AGW (Germany)</th>
</tr>
</thead>
<tbody>
<tr>
<td>110-54-3 n-hexane</td>
<td>Long-term value: 72 mg/m³, 20 ppm</td>
<td>Long-term value: 1800 mg/m³, 500 ppm</td>
<td>Long-term value: 180 mg/m³, 50 ppm</td>
<td>Long-term value: 176 mg/m³, 50 ppm</td>
<td>Long-term value: 180 mg/m³, 50 ppm</td>
</tr>
<tr>
<td></td>
<td>Skin; BEI</td>
<td></td>
<td></td>
<td></td>
<td>8(II);DFG, EU, Y</td>
</tr>
<tr>
<td>74-98-6 propane</td>
<td>PEL (USA)</td>
<td>Long-term value: 1800 mg/m³, 1000 ppm</td>
<td>REL (USA)</td>
<td>Long-term value: 1800 mg/m³, 1000 ppm</td>
<td></td>
</tr>
</tbody>
</table>

(Contd. of page 5)
Trade name: Super Lube® Dri-Film Lubricant with Syncolon® (PTFE) (aerosol)

4.0 Safety data sheet according to (EU) 2015 / 830

Revision: September 22, 2020

TLV (USA) refer to Appendix F
AGW (Germany) Long-term value: 1800 mg/m³, 1000 ppm

106-97-8 butane
REL (USA) Long-term value: 1900 mg/m³, 800 ppm
TLV (USA) Short-term value: 2370 mg/m³, 1000 ppm
AGW (Germany) Long-term value: 2400 mg/m³, 1000 ppm

124-38-9 carbon dioxide
IOELV (EU) Long-term value: 9000 mg/m³, 5000 ppm
PEL (USA) Long-term value: 9000 mg/m³, 5000 ppm
REL (USA) Short-term value: 54,000 mg/m³, 30,000 ppm
Long-term value: 9000 mg/m³, 5000 ppm
TLV (USA) Short-term value: 54,000 mg/m³, 30,000 ppm
Long-term value: 9000 mg/m³, 5000 ppm
AGW (Germany) Long-term value: 9100 mg/m³, 5000 ppm

8.2 Exposure controls

Personal protective equipment:

8.2.1 General protective and hygienic measures:
The usual precautionary measures are to be adhered to when handling chemicals.
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.
Pregnant women should strictly avoid inhalation or skin contact.

Respiratory protection:
Wear appropriate NIOSH respirator when ventilation is inadequate and occupational exposure limits are exceeded.
Use suitable respiratory protective device in case of insufficient ventilation.
Trade name: Super Lube® Dri-Film Lubricant with Syncolon® (PTFE) (aerosol)

- Protection of hands:
  
  Protective gloves

  The glove material has to be impermeable and resistant to the product/ the substance/ the preparation. Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation.

- Material of gloves
  
  The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

- Penetration time of glove material
  
  The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

- Eye protection:

  Safety glasses

- Body protection:
  
  Not required under normal conditions of use.
  
  Protection may be required for spills.

- Limitation and supervision of exposure into the environment
  
  Avoid release to the environment.

- Risk management measures
  
  See Section 7 for additional information.
  
  No further relevant information available.

SECTION 9: Physical and chemical properties

- 9.1 Information on basic physical and chemical properties
  
  General Information
  
  Appearance:
  
  Form: Aerosol
  Colour: Transparent
  Odour: Solvent-like
  Odour threshold: Not determined.
  pH-value: Not determined.

  Change in condition
  
  Melting point/Melting range: Not applicable, as aerosol.
  Boiling point/Boiling range: Not applicable, as aerosol.

  Flash point: -104 °C
  Extremely flammable aerosol.

  Flammability (solid, gaseous): Not applicable.

  Auto/Self-ignition temperature: Not determined.
Trade name: Super Lube® Dri-Film Lubricant with Syncolon® (PTFE) (aerosol)

- Decomposition temperature: Not determined.
- Self-igniting: Product is not self-igniting.
- Danger of explosion: In use, may form flammable/explosive vapour-air mixture.
- Explosion limits:
  - Lower: Not determined.
  - Upper: Not determined.
- Vapour pressure at 20 °C: 5.0-5.5 bar
- Density: Not determined.
- Relative density: Not determined.
- Vapour density: Not determined.
- Evaporation rate: Not applicable.
- Solubility in / Miscibility with water: Not miscible or difficult to mix.
- Partition coefficient (n-octanol/water): Not determined.
- Viscosity:
  - Dynamic: Not determined.
  - Kinematic: Not determined.
- Solvent content:
  - VOC (California): Exempt

SECTION 10: Stability and reactivity

- 10.1 Reactivity
- 10.2 Chemical stability
  - Thermal decomposition / conditions to be avoided:
    Keep away from heat/sparks/open flames/hot surfaces. - No smoking.
- 10.3 Possibility of hazardous reactions
  - Extremely flammable aerosol.
  - Can react violently with oxygen rich (oxidising) material. Danger of Explosion.
  - Develops readily flammable gases/fumes.
  - Danger of receptacles bursting because of high vapour pressure when heated.
  - Reacts with peroxides and other radical forming substances.
  - Can form explosive mixtures in air if heated above flash point and/or when sprayed or atomised.
- 10.4 Conditions to avoid
  - Keep ignition sources away - Do not smoke.
  - Store away from oxidising agents.
- 10.5 Incompatible materials: Oxidizing agents
- 10.6 Hazardous decomposition products: Carbon monoxide and carbon dioxide

(Contd. on page 10)
SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute toxicity:
LD/LC50 values relevant for classification: None.

Primary irritant effect:
on the skin: Irritant to skin and mucous membranes.
on the eye: Slight irritant effect on eyes.
Sensitisation: No sensitising effects known.

Subacute to chronic toxicity:
May be fatal if swallowed and enters airways.
Suspected of damaging fertility or the unborn child.
May cause damage to the nervous system through prolonged or repeated exposure. Route of exposure: Inhalative.

Additional toxicological information:
The product shows the following dangers according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version:
Inhalation of concentrated vapours as well as oral intake will lead to anaesthesia-like conditions and headache, dizziness, etc.
Toxic and/or corrosive effects may be delayed up to 24 hours.

Acute effects (acute toxicity, irritation and corrosivity): Vapours have narcotic effect.

Repeated dose toxicity: May cause damage to organs through prolonged or repeated exposure.

CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction):
Repr. 2

SECTION 12: Ecological information

12.1 Toxicity

Aquatic toxicity: Toxic for aquatic organisms

12.2 Persistence and degradability The organic portion of the product is biodegradable.

12.3 Bioaccumulative potential Does not accumulate in organisms.

12.4 Mobility in soil No further relevant information available.

Ecotoxicological effects:
Remark: Toxic for fish

Additional ecological information:
General notes:
This statement was deduced from the properties of the single components.
Do not allow product to reach ground water, water course or sewage system.
Due to available data on eliminability/decomposition and bioaccumulation potential prolonged term damage of the environment can not be excluded.

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
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. Residual materials should be treated as hazardous.

Uncleaned packaging:
Recommendation: Disposal must be made according to official regulations.

SECTION 14: Transport information

14.1 UN-Number
DOT, ADR, IMDG, IATA
14.2 UN proper shipping name

Limited Quantity for packages less than 30 kg (66 lb) and inner packagings less than 1 L (0.3 gal).

DOT, IATA
Aerosols, flammable

ADR
1950 AEROSOLS, ENVIRONMENTALLY HAZARDOUS
AEROSOLS, MARINE POLLUTANT

14.3 Transport hazard class(es)

DOT

- Class 2.1
- Label 2.1

ADR

- Class 2 5F Gases.
- Label 2.1

IMDG

- Class 2.1
Safety data sheet  
according to (EU) 2015 / 830

Trade name: Super Lube® Dri-Film Lubricant with Syncolon® (PTFE) (aerosol)

- **Label**  
  2.1

  - **IATA**

  - **Class**  
    2.1
  - **Label**  
    2.1
  - **14.4 Packing group**
  - **DOT, ADR, IMDG, IATA**  
    Not Regulated
  - **14.5 Environmental hazards:**
    Product contains environmentally hazardous substances: n-hexane
  - **Marine pollutant:**
    Yes
    Symbol (fish and tree)
  - **Special marking (ADR):**
    Symbol (fish and tree)
  - **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 MARPOL73/78 and the IBC Code**  
    Not applicable.
  - **Transport/Additional information:**
    
    - **ADR**
    - **Limited quantities (LQ)**  
      1L
    - **Transport category**  
      2
    - **Tunnel restriction code**  
      D
    - **UN "Model Regulation":**
      UN1950, AEROSOLS, ENVIRONMENTALLY HAZARDOUS, 2.1

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**SECTION 15: Regulatory information**

- **15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**
  - **Carcinogenic Categories**
    | IARC (International Agency for Research on Cancer) | |
    | 9002-84-0 | Polytetrafluoroethylene | 3 |

  - **TLV (Threshold Limit Value established by ACGIH)**
    None of the ingredients are listed.

- **Other regulations, limitations and prohibitive regulations**
  - **Substances of very high concern (SVHC) according to REACH, Article 57**
    None of the ingredients are listed.

- **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.

· Relevant phrases
  H220  Extremely flammable gas.
  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.
  H361f Suspected of damaging fertility.
  H373  May cause damage to the nervous system through prolonged or repeated exposure. Route of exposure: Inhalative.
  H411  Toxic to aquatic life with long lasting effects.

· 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
  DOT: US Department of Transportation
  IATA: International Air Transport Association
  ACGIH: American Conference of Governmental Industrial Hygienists
  EINECS: European Inventory of Existing Commercial Chemical Substances
  ELINCS: European List of Notified Chemical Substances
  CAS: Chemical Abstracts Service (division of the American Chemical Society)
  NFPA: National Fire Protection Association (USA)
  HMIS: Hazardous Materials Identification System (USA)
  LC50: Lethal concentration, 50 percent
  LD50: Lethal dose, 50 percent
  Flam. Gas 1: Flammable gases, Hazard Category 1
  Flam. Aerosol 1: Flammable aerosols, Hazard Category 1
  Press. Gas C: Gases under pressure: Compressed gas
  Press. Gas L: Gases under pressure: Liquefied gas
  Flam. Liq. 2: Flammable liquids, Hazard Category 2
  Skin Irrit. 2: Skin corrosion/irritation, Hazard Category 2
  Repr. 2: Reproductive toxicity, Hazard Category 2
  STOT SE 3: Specific target organ toxicity - Single exposure, Hazard Category 3
  STOT RE 2: Specific target organ toxicity - Repeated exposure, Hazard Category 2
  Asp. Tox. 1: Aspiration hazard, Hazard Category 1
  Aquatic Chronic 2: Hazardous to the aquatic environment - Chronic Hazard, Category 2

· Sources
  SDS Prepared by:
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