1 Identification

- **Product identifier**
  - **Trade name:** Super Lube® Engine Treatment with Syncolon® (PTFE)
  - **Article number:** No other identifiers
- **Recommended use and restriction on use**
  - **Recommended use:** Lubricant
  - **Restrictions on use:** No relevant information available.

2 Hazard(s) identification

- **Classification of the substance or mixture**
  The product is not classified as hazardous according to the Globally Harmonized System (GHS).
- **Label elements**
  - **GHS label elements** Not regulated.
  - **Hazard pictograms:** Not regulated.
  - **Signal word:** Not regulated.
  - **Hazard statements:** Not regulated.
  - **Precautionary statements:** Not regulated.

3 Composition/information on ingredients

- **Chemical characterization:** Mixtures
- **Components:** None in reportable quantities.

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.
    In case of irregular breathing or respiratory arrest provide artificial respiration.

(Cont'd. on page 2)
· **After skin contact:**
  Immediately wash with water and soap and rinse thoroughly.
  If skin irritation is experienced, consult a doctor.

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

· **After swallowing:**
  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:**
  Headache
  Breathing difficulty
  Coughing
  Dizziness
  Gastric or intestinal disorders when ingested.
  May cause gastro-intestinal irritation if ingested.
  Nausea in case of ingestion.

· **Danger:**
  Danger of impaired breathing.
  May be harmful if swallowed.

· **Indication of any immediate medical attention and special treatment needed:**
  Medical supervision for at least 48 hours.
  If necessary oxygen respiration treatment.
  Later observation for pneumonia and pulmonary edema.

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**5 Fire-fighting measures**

· **Extinguishing media**
  Suitable extinguishing agents:
  Water fog / haze
  Foam
  Fire-extinguishing powder
  Carbon dioxide

· **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.

· **Advice for firefighters**
  Protective equipment:
  Wear self-contained respiratory protective device.
  Wear fully protective suit.

· **Additional information:** Cool endangered containers with water fog.
6 Accidental release measures

- Personal precautions, protective equipment and emergency procedures
  Ensure adequate ventilation.
  Wear protective equipment. Keep unprotected persons away.
  Particular danger of slipping on leaked/spilled product.
  For large spills, use respiratory protective device against the effects of fumes/dust/aerosol.
- Environmental precautions
  Do not allow to enter sewers/surface or ground water.
  Prevent from spreading (e.g. by damming-in or oil barriers).
- Methods and material for containment and cleaning up
  Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
  Remove from the water surface (e.g. skim or suck off).
  Send for recovery or disposal in suitable receptacles.
- 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.

7 Handling and storage

- Handling
  - Precautions for safe handling:
    Prevent formation of aerosols.
    Use only in well ventilated areas.
    Avoid splashes or spray in enclosed areas.
    Open and handle receptacle with care.
    Keep out of reach of children.
  - Information about protection against explosions and fires: No special measures required.
  - Conditions for safe storage, including any incompatibilities
  - Storage
    - Requirements to be met by storerooms and receptacles:
      Avoid storage near extreme heat, ignition sources or open flame.
      Store in cool, dry conditions in well sealed receptacles.
    - Information about storage in one common storage facility: Store away from oxidizing agents.
  - 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:
    The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.
Exposure controls

Personal protective equipment:

General protective and hygienic measures:
The usual precautionary measures for handling chemicals should be followed.
Wash hands before breaks and at the end of work.
Do not inhale gases / fumes / aerosols.
Avoid contact with the eyes.
Avoid close or long term contact with the skin.

Engineering controls: No relevant information available.

Breathing equipment:
Not required under normal conditions of use.
Use suitable respiratory protective device when aerosol or mist is formed.

Protection of hands:

Protective gloves
Gloves are advised for repeated or prolonged contact.
Wear protective gloves to handle contents of damaged or leaking units.

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 No special requirements.

9 Physical and chemical properties

Information on basic physical and chemical properties

Appearance:

<table>
<thead>
<tr>
<th>Form</th>
<th>Liquid</th>
</tr>
</thead>
<tbody>
<tr>
<td>Color</td>
<td>Colorless</td>
</tr>
<tr>
<td>Odor</td>
<td>Mild</td>
</tr>
<tr>
<td>Odor threshold</td>
<td>Not determined.</td>
</tr>
</tbody>
</table>

pH-value: Not determined.
Melting point/Melting range: Not determined.
Boiling point/Boiling range: Not determined.
Flash point: 220 °C (428 °F)
Flammability (solid, gaseous): Not applicable.
Trade name: Super Lube® Engine Treatment with Syncolon® (PTFE)

45.1.4.1 · Auto-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.
· Vapor pressure: Not determined.
· Density:
  Relative density: 0.87
  Vapor density: Not determined.
  Evaporation rate: Not determined.
· Solubility in / Miscibility with
  Water: Not miscible or difficult to mix.
· Partition coefficient (n-octanol/water): Not determined.
· Solvent content:
  VOC (California) <1%
· Viscosity
  Dynamic: 130 cP
  Kinematic: 140 cSt
· Other information No relevant information available.

10 Stability and reactivity

· Reactivity: No relevant information available.
· Chemical stability:
· Thermal decomposition / conditions to be avoided:
  No decomposition if used and stored according to specifications.
· Possibility of hazardous reactions
  Reacts with oxidizing agents.
  Toxic fumes may be released if heated above the decomposition point.
· Conditions to avoid Store away from oxidizing agents.
· Incompatible materials Oxidizing agents
· Hazardous decomposition products
  Possible in traces:
  Carbon monoxide and carbon dioxide
  Hydrogen fluoride
  Fluorocarbons

(Cont'd. on page 6)
11 Toxicological information

- Information on toxicological effects
  - Acute toxicity:
    - LD/LC50 values that are relevant for classification: None.
  - Primary irritant effect:
    - On the skin: Based on available data, the classification criteria are not met.
    - On the eye: Based on available data, the classification criteria are not met.
  - Sensitization: Based on available data, the classification criteria are not met.
  - IARC (International Agency for Research on Cancer):
    - None of the ingredients are listed.
  - NTP (National Toxicology Program):
    - None of the ingredients are listed.
  - OSHA-Ca (Occupational Safety & Health Administration):
    - None of the ingredients are listed.
  - Probable route(s) of exposure:
    - Eye contact.
    - Skin contact.
    - Ingestion.
  - Germ cell mutagenicity: Based on available data, the classification criteria are not met.
  - Carcinogenicity: Based on available data, the classification criteria are not met.
  - Reproductive toxicity: Based on available data, the classification criteria are not met.
  - STOT-single exposure: Based on available data, the classification criteria are not met.
  - STOT-repeated exposure: Based on available data, the classification criteria are not met.
  - Aspiration hazard: Based on available data, the classification criteria are not met.

12 Ecological information

- Toxicity
  - Aquatic toxicity: No relevant information available.
  - 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: Avoid release to the environment.
  - 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, IATA, IMDG, TDG
    - Not regulated.

- UN proper shipping name
  - DOT, IATA, IMDG, TDG
    - Not regulated.

- Transport hazard class(es)
  - DOT, IATA, IMDG, TDG
    - Class
    - Not regulated.

- Packing group
  - DOT, IATA, IMDG, TDG
    - Not regulated.

- Environmental hazards
  - Marine pollutant: No

- Special precautions for user
  - Not applicable.

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

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.
Trade name: Super Lube® Engine Treatment with Syncolon® (PTFE)

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 reproductive toxicity for females:
  None of the ingredients are listed.
- Chemicals known to cause reproductive toxicity for males:
  None of the ingredients are listed.
- Chemicals known to cause developmental toxicity:
  None of the ingredients are listed.

Carcinogenic categories
- EPA (Environmental Protection Agency):
  None of the ingredients are listed.
- IARC (International Agency for Research on Cancer):
  None of the ingredients are listed.
- NIOSH-Ca (National Institute for Occupational Safety and Health):
  None of the ingredients are listed.
- Canadian Domestic Substances List (DSL):
  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.

- Date of preparation / last revision July 17, 2017 / -

Abbreviations and acronyms:
- TDG: Transportation of Dangerous Goods Regulations
- 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, Toxique
- vPvB: very Persistent and very Bioaccumulative
- NIOSH: National Institute for Occupational Safety and Health
- OSHA: Occupational Safety & Health Administration
- 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)
Trade name: Super Lube® Engine Treatment with Syncolon® (PTFE)

Safety Data Sheets, Individual Manufacturers
SDS Prepared by:
Environmental Protection Department