

# Material Safety Data Sheet

According to 1907/2006/EC, Article 31



Printing Date: 09 June 2020

Revision: 19 January 2017

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## 1 Identification of the substance/preparation and of the company/undertaking

Trade name: **linecube Gear Oil SH 320**

### Relevant identified uses of the substance or mixture and uses advised against:

- Use of the substance/mixture: Industrial gear oils
- Use advised against: Do not use in any other application

### Supplier:

Online Lubricants Ltd.  
Unit 20, The IO Centre, Barking, London IG11 0DR  
UK Tel. +44 (0) 208 507 0123

**In case of emergency: +44 (0) 208 507 0123**

## 2 Hazards identification

### 2.1 Classification of the substance or mixture

- CLP: Not Classified

### 2.2 Label elements

- Signal Word: None Required
- Hazard statements Not Classified
- Precautionary statements None assigned

### 2.3 Other hazards

- None assigned

## 3 Composition / Information on ingredients

### 3.2 Mixtures

- 1-decene, homopolymer, hydrogenated
  - CAS Number: 74869-22-0
  - EC Number: 278-012-2
  - REACH Registration Number: Not Available.
  - Concentration: 90-100%
  - H Statements: Not Applicable
- N-Phenyl-benzenamine reaction products with styrene and 2,4,4-trimethylpentene
  - CAS Number: 68921-45-9
  - EC Number: 272-940-1
  - REACH Registration Number: Not Available.
  - Concentration: 0-1%
  - H Statements: Not Applicable

## 4 First-aid measures

### 4.1 Description of first aid measures

- **Inhalation:** Do not breath Dust or Vapour. If inhaled and the vapour causes irritation to the nose or throat move the person to fresh air. If symptoms persist obtain medical attention.
- **Contact with eyes:** Irritating to eyes. Rinse immediately with plenty of water for 15 minutes holding the eyelids open. Seek medical attention if irritation or symptoms persist.

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- **Contact with skin:** Irritating to skin. Remove contaminated clothing. Wash off immediately with plenty of soap and water. Seek medical attention if irritation or symptoms persist.
- **Ingestion:** If swallowed, do not induce vomiting: seek medical advice immediately and show this container or label.

## 4.2 Most important symptoms and effects, both acute and delayed

- Skin contact: Prolonged contact may cause redness, irritation and dry skin.
- Ingestion: DO NOT INDUCE VOMITING. Ingestion may cause nausea and vomiting.

## 4.3 Indication of any immediate medical attention and special treatment needed

- If swallowed, do not induce vomiting: seek medical advice immediately and show this container or label.
- Eye contact: Rinse immediately with plenty of water. Seek medical attention if irritation or symptoms persist.
- No action shall be taken involving any personal risk or without suitable training.

## 5 Fire Fighting Measures

### 5.1 Extinguishing media

- Carbon oxides. Carbon dioxide (CO<sub>2</sub>).
- Dry chemical.
- Foam.
- Sand.
- Water spray. Do NOT use water jet.

### 5.2 Special hazards arising from the substance or mixture

- Burning produces irritating, toxic and obnoxious fumes.
- Do not allow runoff water to enter sewers or drains.

### 5.3 Advice for firefighters

- Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.
- Clothing for fire-fighters (including helmets, protective boots and gloves) conforming to European standard EN 469 will provide a basic level of protection for chemical incidents.

## 6 Accidental Release Measures

### 6.1 Personal precautions, protective equipment and emergency procedures

- Ensure adequate ventilation of the working area.
- Wear suitable protective equipment.

### 6.2 Environmental Precautions

- Do not allow to enter public sewers and watercourses

### 6.3 Methods and material for containment and cleaning up

- Absorb spillage in earth or sand
- Sweep or shovel-up spillage and remove to a safe place

### 6.4 Reference to other sections

- For personal protection, see section 8.
- For waste disposal, see section 13.

## 7 Handling and Storage

### 7.1 Precautions for safe handling

- Avoid contact with eyes and skin.
- Ensure adequate ventilation of the working area.
- Adopt best Manual Handling considerations when handling, carrying and dispensing.
- Temperature: 0 - 50 °C.

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## 7.2 Conditions for safe storage, including any incompatibilities

- Keep in a cool, dry, well ventilated area.
- Keep containers tightly closed.
- Store in correctly labelled containers.

## 7.3 Specific end use(s)

- Please use this product as indicated in sections 1 and 2. If you are uncertain please contact us immediately as not using the product in the right way could be dangerous for your health and machinery.

## 8 Exposure controls/personal protection

### 8.1 Control parameters

- N-Phenyl-benzenamine reaction products with styrene and 2,4,4-trimethylpentene
- WEL (long term) 5 mg/m<sup>3</sup>
- WEL (short term) 10 mg/m<sup>3</sup>

### 8.2 Exposure controls

- Chemical resistant gloves (PVC).
- Wear protective clothing if splashing is likely.
- Ensure adequate ventilation of the working area.
- Wear approved safety goggles.



## 9 Physical and Chemical Properties

### 9.1 Information on basic physical and chemical properties

- Appearance: Liquid, amber
- Odour: Mild
- Freezing point/Range: < -20°C
- Boiling Point/Range: >150°C
- Flashpoint: >200°C
- Oxidising Properties: Not considered oxidising
- Autoignition Temperature >320°C
- Explosive Properties: Considered stable under normal conditions
- Vapour Pressure:

## 10 Stability and Reactivity

### 10.1 Reactivity

- Stable under normal temperature conditions and recommended use.

### 10.2 Chemical stability

- Considered stable under normal conditions

### 10.3 Possibility of hazardous reactions

- Do not mix with other products.

### 10.4 Conditions to avoid

- Store at temperatures between 0 °C and 50 °C.

### 10.5 Incompatible materials

- Strong oxidising substances.

### 10.6 Hazardous Decomposition Products

- Combustion or thermal decomposition could liberate carbon oxides and other toxic gases or vapours.

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## 11 Toxicological Information

### 11.1 Information on toxicological effects

#### GENERAL INFORMATION.

- This product has low toxicity. Only large volumes may have adverse impact on human health.
- Skin corrosion/irritation: May cause irritation by skin contact.
- Serious eye damage/irritation: May cause temporary eye irritation.
- Respiratory or skin sensitisation: Unlikely to be hazardous by inhalation because of the low vapour pressure of the substance at ambient temperature.
- Repeated or prolonged exposure: Prolonged or repeated contact with used oil may cause serious skin diseases, such as dermatitis and skin cancer

## 12 Ecological Information

### 12.1 Toxicity

- 1-decene, homopolymer, hydrogenated
  - Algae EC50/72h: 1000
  - Rainbow trout LC50/96h: 1000

### 12.2 Persistence and degradability

- The product is mainly low in toxicity but contains substances that could potentially harm the aquatic organisms and may cause long time adverse effects.

### 12.3 Bioaccumulation Potential

- Bioaccumulation is unlikely to be significant due to the low water solubility of this product.

### 12.4 Mobility in soil

- Insoluble in water. Floats on water. Absorbed only slowly into soil.

### 12.5 Results of PBT and vPvB assessment

- Not applicable.

### 12.6 Other Adverse Effects

- May cause long-term adverse effects in the environment.

## 13 Disposal Considerations

### 13.1 Waste treatment methods

- Waste Code: 13 XX XX OIL WASTES AND WASTES OF LIQUID FUELS (except edible oils, and those in chapters 05, 12 and 19) Code given as a guidance only it could vary from different products and the way they were used.
- We recycle 205L and 1000L packaging.
- Disposal should be in accordance with local, state or national legislation

## 14 Transport Information

14.1 UN Number - UN No.: Not classified as hazardous for transport

14.2 UN Proper Shipping Name - Proper Shipping Name:

14.3 Transport hazard class(es) - Hazard Class: Not classified.

14.4 Packing group - Packing Group: N/A

14.5 Environmental hazards - Not classified as hazardous for marine transport

14.6 Special precautions for user - None

14.7 Transport in bulk according to Annex II of MARPOL and the IBC code - Not relevant

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## 15 Regulatory Information

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

- Supply regulations:
  - DPD: Dangerous Preparations Directive.
  - GHS: Globally Harmonised System of classification and labelling of chemicals.
  - CLP: Classification, Labelling and Packaging regulations.
  - Transport regulations: CDG: Carriage of Dangerous Goods regulations; ADR/RID/IMDG/ICAO/IATA regulations.

### 15.2 Chemical Safety Assessment

- A chemical safety assessment (CSA) for this product has not yet been completed

## 16 Other Information