

# Material Safety Data Sheet

according to 1907/2006/EC, Article 31

Printing date 04 August 2015



Revision: 27 March 2015

1 | 5

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

**Trade name:** ***Linelube Synthetic SH 220 Gear Oil***

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

Use of the substance/mixture: Industrial gear oil

**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

REGULATION (EC) No 1272/2008

For the full text of the H-Statements mentioned in this Section, see Section 2.2.

**Classification:**

The product is not classified as dangerous according to Regulation (EC) No. 1272/2008

**DIRECTIVE 67/548/EEC or 1999/45/EC**

For the full text of the R-phrases mentioned in this Section, see Section 16.

The substance/mixture is non-dangerous in accordance with Directive(s) 67/548/EEC with amendments and/or 1999/45/EC with amendments

**Symbol(s)** Not classified

### 2.2. Label elements

Labelled according to REGULATION (EC) No 1272/2008

Hazard Statements None

Precautionary statements None

Contains Long chain alkylamine. May produce an allergic reaction

## 3 Composition / Information on ingredients

Hazardous components Do not contain hazardous substance nor substance with european workplace exposure limits in concentration above regulatory thresholds

Additional information The product is made from synthetic base oils.

For the full text of the R-phrases mentioned in this Section, see Section 16.

For the full text of the H-Statements mentioned in this Section, see Section 16

## 4 First-aid measures

### 4.1. Description of first aid measures

**General advice:** IN CASE OF SERIOUS OR PERSISTENT CONDITIONS, CALL A DOCTOR OR EMERGENCY MEDICAL CARE.

**Eye contact:** Rinse thoroughly with plenty of water, also under the eyelids

**Skin contact:** Remove contaminated clothing and shoes. Wash off with soap and water. Wash contaminated clothing before reuse.

**Inhalation:** Move to fresh air.

**Ingestion:** Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Call a physician or poison control centre immediately

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2 | 5

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

**Eye contact:** Not classified.

**Skin contact:** Not classified. May produce an allergic reaction.

**Inhalation:** Not classified.

**Inhalation:** of vapours in high concentration may cause irritation of respiratory system.

**Ingestion:** Not classified. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhoea.

## 4.3. Indication of immediate medical attention and special treatment needed, if necessary

**Notes to physician:** Treat symptomatically

## 5 Fire Fighting Measures

### 5.1. Extinguishing media

**Suitable extinguishing media:** Carbon dioxide (CO<sub>2</sub>). ABC powder. Foam. Water spray or fog.

**Unsuitable Extinguishing Media:** Do not use a solid water stream as it may scatter and spread fire.

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

**Special hazard:** Incomplete combustion and thermolysis may produce gases of varying toxicity such as carbon monoxide, carbon dioxide, various hydrocarbons, aldehydes and soot. These may be highly dangerous if inhaled in confined spaces or at high concentration.

### 5.3. Precautions for fire-fighters:

**Special protective equipment for fire-fighters:** Wear self-contained breathing apparatus and protective suit.

**Other information** Cool containers / tanks with water spray. Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.

## 6 Accidental Release Measures

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

**General Information** Do not touch or walk through spilled material. Contaminated surfaces will be extremely slippery. Use personal protective equipment. Ensure adequate ventilation. Remove all sources of ignition.

**6.2. Environmental precautions** General Information Do not allow material to contaminate ground water system. Try to prevent the material from entering drains or water courses. Local authorities should be advised if significant spillages cannot be contained.

**6.3. Methods and materials for containment and cleaning up:** Methods for cleaning up Dam up. Contain spillage, and then collect with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see section 13). Keep in suitable, closed containers for disposal.

### 6.4. Reference to other sections

**Personal protective equipment** See Section 8 for more detail.

**Waste treatment** See section 13.

**Other information** No information available.

## 7 Handling and Storage

### 7.1. Precautions for safe handling

**Advice on safe handling** When using, do not eat, drink or smoke. For personal protection see section 8. Use only in well-ventilated areas. Do not breathe vapours or spray mist. Avoid contact with skin, eyes and clothing.

**Prevention of fire and explosion** Take precautionary measures against static discharges: Ground/bond containers, tanks and transfer/receiving equipment.

**Hygiene measures** Ensure the application of strict rules of hygiene by the personnel exposed to the risk of contact with the product. Regular cleaning of equipment, work area and clothing is recommended. Wash hands before breaks and immediately after handling the product. Do not use abrasives, solvents or fuels. Do not dry hands with rags that have been contaminated with product. Do not put product contaminated rags into workwear pockets.

### 7.2. Conditions for safe storage, including any incompatibilities

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3 | 5

**Technical measures/Storage conditions** Keep away from food, drink and animal feedstuffs. Keep in a bunded area. Keep container tightly closed. Preferably keep in the original container. Otherwise, reproduce all the statutory information from the labels onto the new container. Do not remove the hazard labels of the containers (even if they are empty). Design the installations in order to avoid accidental emissions of product (due to seal breakage, for example) onto hot casings or electrical contacts. Protect from frost, heat and sunlight. Protect from moisture.

**Materials to avoid** Strong oxidising agents.

**7.3. Specific use(s)** Specific use(s) No information available.

## 8 Exposure controls/personal protection

### 8.1. Control parameters:

**Exposure limits** Do not contain substance with european workplace exposure limits in concentration above regulatory thresholds

**Legend** See section 16

### 8.2. Exposure controls

#### Occupational Exposure Controls

**Engineering measures** Apply technical measures to comply with the occupational exposure limits. When working in confined spaces (tanks, containers, etc.), ensure that there is a supply of air suitable for breathing and wear the recommended equipment.

#### Personal protective equipment

**General Information** If the product is used in mixtures, it is recommended that you contact the appropriate protective equipment suppliers. These recommendations apply to the product as supplied.

**Respiratory protection** None under normal use conditions. In case of vapours and aerosol formation: Respirator with combination filter for vapour/particulate (EN 14387). Type A/P1. The use of breathing apparatus must comply strictly with the manufacturer's instructions and the regulations governing their choices and uses.\*\*\*

**Eye protection** If splashes are likely to occur, wear: Safety glasses with side-shields.

**Skin and body protection** Wear suitable protective clothing. Protective shoes or boots. Long sleeved clothing.

**Hand protection** Hydrocarbon-proof gloves: Fluorinated rubber, Nitrile rubber. Please observe the instructions regarding permeability and breakthrough time which are provided by the supplier of the gloves. Also take into consideration the specific local conditions under which the product is used, such as the danger of cuts, abrasion, and the contact time. If used in solution, or mixed with other substances, and under conditions which differ from EN 374, contact the supplier of the EC approved gloves.

#### Environmental exposure controls

**General Information** The product should not be allowed to enter drains, water courses or the soil.

## 9 Physical and Chemical Properties

### 9.1. Information on basic physical and chemical properties

Colour yellow to amber

Physical state @20°C Liquid

Odour characteristic

Property	Values	Remarks	Method
pH		Not Applicable	
Boiling Point / Range		Not Applicable	
Flash point	➤ 200°C		Cleveland Open Cup (COC)
Evaporation rate		No Info Available	
Flammability Limits in Air		No Info Available	
Vapour pressure		No Info Available	
Vapour density		No Info Available	
Density	850-860 kg/m <sup>3</sup>	@15°C	
Water solubility		Insoluble	

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Revision: 27 March 2015

4 | 5

Property	Values	Remarks	Method
Solubility in other solvents		No Info Available	
logPow		No Info Available	
Autoignition temperature		No Info Available	
Viscosity, kinematic	220 mm <sup>2</sup> /s	@40°C	ISO 3104
Explosive properties	Not Explosive		
Oxidising properties	Not Applicable		
Possibility of hazardous reactions	Not Applicable		

**9.2. Other information:** No information available

## 10 Stability and Reactivity

### 10.1. Reactivity

**General Information** No information available.

### 10.2. Chemical stability

**Stability** Stable under recommended storage conditions.

### 10.3. Possibility of hazardous reactions

**Hazardous reactions** None under normal processing.

**10.4. Conditions to Avoid** Heat (temperatures above flash point), sparks, ignition points, flames, static electricity.

### 10.5. Incompatible materials

**Materials to avoid** Strong oxidising agents.

**10.6. Hazardous Decomposition Products** None under normal use.

## 11 Toxicological Information

### 11.1. Information on toxicological effects

#### Acute toxicity Local effects Product Information

**Skin contact** . Not classified. May produce an allergic reaction.

**Eye contact** . Not classified.

**Inhalation** . Not classified. Inhalation of vapours in high concentration may cause irritation of respiratory system.

**Ingestion** . Not classified. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhoea.

#### Acute toxicity - Component Information

**Sensitisation** Not classified as a sensitizer. Contains sensitizer(s). May produce an allergic reaction.

#### Specific effects

**Carcinogenicity** This product is not classified carcinogenic.

**Mutagenicity** This product is not classified as mutagenic.

**Reproductive toxicity** This product does not present any known or suspected reproductive hazards.

#### Repeated Dose Toxicity

**Subchronic Toxicity** No information available.

**Target Organ Effects (STOT)** No information available.

#### Other information

**Other adverse effects** Characteristic skin lesions (oil blisters) may develop following prolonged and repeated exposures (contact with contaminated clothing).

## 12 Ecological Information

**12.1. Toxicity** Not classified.

**Acute aquatic toxicity - Product Information** No information available.

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5 | 5

**Acute aquatic toxicity - Component Information** No information available.

**Chronic aquatic toxicity - Product Information** No information available.

**Chronic aquatic toxicity - Component Information** No information available.

**Effects on terrestrial organisms** No information available.

## 12.2. Persistence and Degradability

**General Information** No information available.

## 12.3. Bioaccumulative potential

**Product Information** No information available.

**logPow Component Information** . No information available

## 12.4. Mobility in soil

Soil: Given its physical and chemical characteristics, the product generally shows low soil mobility.

Air Loss by evaporation is limited.

Water Insoluble. The product spreads on the surface of the water.

## 12.5. Results of PBT and vPvB assessment

No information available.

## 12.6. Other adverse effects

**General Information** No information available

## 13 Disposal Considerations

### 13.1. Waste treatment methods

**Waste from residues / unused products** **Should not be released into the environment. Dispose of in accordance with the European Directives on waste and hazardous waste. Do not empty into drains. Dispose of in accordance with local regulations. Where possible recycling is preferred to disposal or incineration. After use, this oil must be sent to a licensed waste oil facility. Incorrect disposal of used oil poses a risk to the environment. Mixture with other waste types such as solvents, brake- and cooling liquids is forbidden.**

**Contaminated packaging** Empty containers should be taken to an approved waste handling site for recycling or disposal.

**EWC Waste Disposal No** The following Waste Codes are only suggestions: 13 02 06. According to the European Waste Catalogue, Waste Codes are not product specific, but application specific. Waste codes should be assigned by the user based on the application for which the product was used.

## 14 Transport Information

**ADR/RID** not regulated

**IMDG/IMO** not regulated

**ICAO/IATA** not regulated

**ADN** not regulated

## 15 Regulatory Information

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

**European Union / International Inventories** No information available

**Further information** No information available

### 15.2. Chemical Safety Assessment

No information available

### 15.3. National regulatory information

**The United Kingdom** •Avoid exceeding occupational exposure limits (see section8).

**Ireland** •Avoid exceeding occupational exposure limits (see section8)

## 16 Other Information

**Full text of R-phrases referred to under sections 2 and 3** Not applicable

**Abbreviations, acronyms:** TWA: Time Weight Average STEL: Short Time Exposure Limit

+ sensitizer / \*\* Hazard Designation / M: Mutagen / \* Skin Designation / C: carcinogen / R: Toxic to Reproduction

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