

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: **lineolube Gear Oil LS90**

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

- Use of the substance/mixture: Lubricant

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
- CHIP: Not hazardous according to current CHIP Regulations

2.2 Label elements

- Hazard phrases: None assigned
- Precautionary Phrases: None assigned

2.3 Other hazards

- A petroleum product. DMSO extract < 3 Weight % (IP 346). The classification as a carcinogen need not apply if it can be shown that the substance contains less than 3 % DMSO extract as measured by IP 346. This note applies only to certain complex oil derived substances. (1272/2008/EC ("CLP"), Annex VI, Note L)

3 Composition / Information on ingredients

3.1 Mixtures

Lubricating oils: **Base oil - unspecified**

CAS Number: 74869-22-0
EC Number: 278-012-2
REACH Registration Number:
Concentration: 90-100%
R/H Phrases: Not Applicable

N-phenyl-benzenamine, reaction products with 2.4.4-trimethylpentene

CAS Number:
EC Number:
REACH Registration Number:
Concentration: 0-0.5%
R/H Phrases: N; R51/53

4 First-aid measures

4.1 Description of first aid measures

Inhalation

- S23: Do not breathe vapour
- S22: Do not breathe dust
- When in doubt or symptoms persist, seek medical attention

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Contact with eyes

- If substance has got into eyes, immediately wash out with plenty of water for at least 15 minutes
- Irrigate eyes thoroughly whilst lifting eyelids
- When in doubt or symptoms persist, seek medical attention

Contact with skin

- S24/25: Avoid contact with skin and eyes
- H315: Causes skin irritation.
- Wash skin with soap and water. If grease has been injected under the skin, seek medical advice immediately.
- Seek medical attention if irritation persists

Ingestion

- Ingestion may cause nausea and vomiting. Seek medical attention if irritation or symptoms persist. DO NOT INDUCE VOMITING. Seek medical advice if necessary.

4.2 Most important symptoms and effects, both acute and delayed

- Can cause damage to the eyes and skin
- Causes nausea/vomiting
- May cause breathing difficulty

4.3 Indication of any immediate medical attention and special treatment needed

- S28b: Wash affected area with plenty of soap and water
- S44: If you feel unwell, seek medical advice (show the label where possible)
- No action shall be taken involving any personal risk or without suitable training.

5 Fire Fighting Measures

5.1 Extinguishing media

- Not flammable. In case of fire use extinguishing media appropriate to surrounding conditions
- S43 - In case of fire use carbon dioxide or dry agent
- Do not use water jets

5.2 Special hazards arising from the substance or mixture

- In case of fire, do not breathe fumes

5.3 Advice for firefighters

- Prevent run off water from entering drains if possible
- Wear Breathing Apparatus

6 Accidental Release Measures

6.1 Personal precautions, protective equipment and emergency procedures

- Wear protective clothing as per section 8

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 suitable inert material
- Place in appropriate container
- Seal containers and label them
- S40 - To clean the floor and all objects contaminated by this material, use water

6.4 Reference to other sections - See Section 8

7 Handling and Storage

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7.1 Precautions for safe handling

- S24/25 - Avoid contact with skin and eyes
- Ensure adequate ventilation
- P412 - Do not expose to temperatures exceeding 50°C/ 122°F.
- P202 - Do not handle until all safety precautions have been read and understood.

7.2 Conditions for safe storage, including any incompatibilities

- Keep in a cool, dry, well ventilated place
- P233 - Keep container tightly closed.

7.3 Specific end use(s)

- See Section 1
- See product label for usage and instruction.

8 Exposure controls/personal protection

8.1 Control parameters

- WEL (long term) 5 mg/m³
- WEL (short term) 10 mg/m³

8.2 Exposure controls

- Engineering controls should be provided to prevent the need for ventilation
- Wear suitable respiratory equipment
- Wear suitable protective clothing, including eye/face protection and gloves (PVC are recommended)
- S36/37/39 - Wear suitable protective clothing, eye/face protection and gloves



9 Physical and Chemical Properties

9.1 Information on basic physical and chemical properties

- Appearance: Liquid, amber
- Odour: Mild
- Freezing point/Range: No information available
- Boiling Point/Range: 150 °C
- Flashpoint: 200 °C
- Oxidising Properties: Not considered oxidising
- Explosive Properties: Considered stable under normal conditions
- Autoignition Temperature 300 °C
- Vapour Pressure: Vapour pressure - not known
- Density: 0.884
- Viscosity: 97
- Solubility in water: Insoluble in water

9.2 Other information

- The figures in this section are for guidance only please always use them in conjunction with the technical data sheet.

10 Stability and Reactivity

10.1 Reactivity - No hazardous reactions known if used for its intended purpose

10.2 Chemical stability - Considered stable under normal conditions

10.3 Possibility of hazardous reactions - No hazardous reactions known if used for its intended purpose

10.4 Conditions to avoid - P412: Do not expose to temperatures exceeding 50°C/ 122°F.

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10.5 Incompatible materials - Incompatible with strong oxidizing substances

10.6 Hazardous Decomposition Products

- Decomposition products may include carbon oxides
- Burning produces obnoxious and irritating fumes.

11 Toxicological Information

11.1 Information on toxicological effects

- This product has low toxicity. Only large volumes may have adverse impact on human health.
- Skin corrosion/irritation: May cause sensitisation 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: contact with used oil may cause serious skin diseases, such as dermatitis and skin cancer. Repeated exposure may cause skin dryness or cracking.

12 Ecological Information

12.1 Toxicity

- 1-decene, homopolymer, hydrogenated 100%
- LC50 (rainbow trout) 1000 mg/l (72 hr)
- IC50 (algae) 1000 mg/l (72 hr)
- Lubricating oils; Base oil - unspecified
- IC50 (algae) 101.0000 mg/l (48 hr)
- EC50 (daphnia) 101.0000 mg/l (48 hr)
- LC50 (fish) 101.0000 mg/l (96 hr)

12.2 Persistence and degradability

- The product contains a substance which is harmful to aquatic organisms and which may cause long term adverse effects in aquatic environments.

12.3 Bioaccumulation Potential

- Bioaccumulation is insignificant

12.4 Mobility in soil

- Non-volatile. The product is poorly absorbed onto soils or sediments
- Insoluble in water

12.5 Results of PBT and vPvB assessment

- Not applicable.

12.6 Other Adverse Effects

- R58 - May cause long-term adverse effects in the environment

13 Disposal Considerations

13.1 Waste treatment methods

- S56 - Dispose of this material and its container at hazardous or special waste collection point
- UK Waste Codes: 13 XX XX
- 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 applicable. Not classified as hazardous for transport

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14.2 UN Proper Shipping Name:	Not applicable
14.3 Transport hazard class(es):	Not applicable
14.4 Packing group:	Not applicable
14.5 Environmental hazards:	Not Classified
14.6 Special precautions for user:	Not Classified

14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC code: Not Classified

15 Regulatory Information

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

- Refer to current Health and Safety at Work Act
- Refer to current CHIP Regulations

15.2 Chemical Safety Assessment

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

16 Other Information

Text not given with phrase codes where they are used elsewhere in this safety data sheet:

R51/53: Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment