

1. Identification of the Substance/Mixture and of the Company/Undertaking**1.1 Product identifier**

Product name ACCU-LBE LB-5500

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

Use of substance/mixture Minimum quantity lubricant

Uses advised against None known

1.3 Details of the supplier of the safety data sheet

Company name ACCU-LUBE Manufacturing GmbH
Glaitstrasse 29
D-75433 Maulbronn-Schmie
Phone: ++49 (0) 7043 / 5612
Fax: ++49 (0) 7043 / 907098

1.4 Emergency telephone number

Emergency tel.: ++49 (0) 7043 / 5612

2. Hazards Identification**2.1 Classification of the substance or mixture**

This product is not classified hazardous under current legislation. No labelling required.

Hazards**Physical hazards**

No specific dangers known when observing the usual safety measures for handling chemicals, the advice for safe handling (section 7) and for personal protective equipment (section 8).

2.2 Label elements This product has no label elements .

2.2 Other hazards No data available.

3. Composition/Information on Ingredients**3.2 Mixtures**

General information No hazardous ingredients. Fatty alcohol. Substances are not hazardous or below allowed limits.

4. First-aid Measures**4.1 Description of first aid measures**

Skin contact: Wash with soap and water. Normally the product is not skin irritating.

Eye contact: Rinse eyes immediately with large amounts of water while holding eyelids apart.

Ingestion: Wash out mouth with water

Inhalation: Provide sufficient ventilation. If symptoms persist consult a doctor.

4.2 Most important symptoms and effects, both acute and delayed

May cause skin and eye irritation.

4.3 Indication of any immediate medical attention and special treatment needed

Hazards No data available.

Treatment If symptoms develop consult a doctor.

5. Fire-fighting Measures

5.1 Extinguishing media

Appropriate extinguishing media CO2, powder or water spray. Fight larger fires with alcohol resistant foam or water spray with appropriate surfactant additives.

Inappropriate extinguishing media Full water jet

5.2 Special hazards arising from the substance or mixture

Exposure hazards May emit toxic fumes in combustion.

5.3 Advice for fire-fighters

Advice for fire-fighters No data available

Personal protective equipment Wear self-contained breathing apparatus and complete protective equipment.

6. Accidental Release Measures

6.1 Personal precautions, protective equipment and emergency procedures

Personal precautions Attention! Spillage may cause slippery floors and surfaces.

6.2 Environmental precautions

Environmental precautions Prevent product from spreading over a wide area (e.g: by containment or oil barriers).

6.3 Methods and material for containment and cleaning up

Clean-up procedures Absorb with liquid binding material like sand, diatomite, acid binders, universal binders (e.g. Renolex) or sawdust.

6.4 Reference to other sections No data available.

7. Handling and Storage

7.1 Precautions for safe handling

Handling requirements Provide sufficient ventilation. Wear appropriate personal protective equipment. Apply approved industrial hygiene measures.

7.2 Conditions for safe storage, including any incompatibilities Avoid generation of aerosol.

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ACCU-LUBE LB-5500

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|--------------------------------|------------------------|
| 7.3 Specific end use(s) | No data available. |
| Storage instructions | 10, flammable liquids. |

8. Exposure Controls/Personal Protection

8.1 Control parameters

Workplace exposure limits

| Chemical designation | Type | Exposure limit values | Origin |
|----------------------|------|------------------------------|---|
| 2-Hexyldecan-1-ol | AGW | 20 ppm 200 mg/m ³ | Germany. TRGS 900 Exposure limit values in the air at workplace (01 2012) |

DNEL/PNEC Values No data available

8.2 Exposure controls

Engineering measures No data available.

Personal protection measures, such as personal protective equipment

General information Wash your hands before breaks and at the end of work. Use prescribed personal protective equipment. Personal protective equipment must be selected in compliance with applicable CEN standards and after consultation of the supplier of the personal protective equipment. The usual safety measures when using chemicals are applicable.

Respiratory protection If ventilation is inadequate wear appropriate respiratory protection. Consult local supervisor. Avoid inhalation of vapour/aerosol.

Skin/hand protection Avoid prolonged and repeated skin contact. Appropriate protective gloves are recommended by the supplier of gloves. Preventive skin protection by using skin protective ointments. Use of protective gloves where allowed by safety regulations. The exact penetration time must be checked with the supplier of gloves and observed, as it does not only depend on the material of the gloves but on workplace specific factors as well.

Other safety measures Do not carry any cloths soaked with the product in your pockets. Wear appropriate protective clothing during work.

Eye protection Safety glasses (EN 166) recommended for refilling.

Thermal hazards No data available.

Hygiene measures Maintain good personal hygiene e.g. wash after handling the product and before eating, drinking and/or smoking. Wash work clothing regularly to remove contamination. Dispose of contaminated footwear that cannot be cleaned.

Environmental measures No data available

9. Physical and Chemical Properties

9.1 Information on basic physical and chemical properties

| | |
|----------------|-----------|
| State: | liquid |
| Colour: | green |
| Odour: | odourless |

| | |
|--|---|
| Odour threshold | No data available. |
| pH-value | No data available. |
| Solidification point | No data available. |
| Boiling point | No data available. |
| Flash point: | 160°C () |
| Evaporation rate: | No data available. |
| Inflammability (solid, gaseous) | No data available. |
| Vapour pressure | No data available. |
| Vapour density (air=1) | No data available. |
| Density: | 0,842 g/cm ³ (15°C) (DIN EN ISO 12185) |
| Solubility | |
| Solubility in water: | insoluble |
| Solubility (other) | No data available. |
| Partition coefficient (n-octanol/water) - log Pow | No data available. |
| Autoflammability: | No data available. |
| Decomposition temperature | No data available. |
| Viscosity kinematic: | 20 mm ² /s (40°C) (DIN 51562) |
| Efflux time | No data available. |
| Explosive characteristics | No data available. |
| Oxidising characteristics | No data available. |
| 9.2 Other information | No data available. |

10. Stability and Reactivity

10.1 Reactivity

Reactivity Stable under normal temperatures and recommended use.

10.2 Chemical stability

Chemical stability No data available.

10.3 Possibility of hazardous reactions

Hazardous reactions Hazardous reactions will not occur under normal conditions.

10.4 Conditions to avoid

Conditions to avoid Heat or contamination

10.5 Incompatible materials

Materials to avoid Strong oxidising agents. Strong acids. Strong bases.

10.6 Hazardous decomposition products

Haz. decomp. products May emit carbon oxides and other toxic fumes and vapours in thermal decomposition or combustion.

11. Toxicological Information**11.1 Information on toxicological effects****Acute Toxicity**

Oral Product No data available.

Dermal Product No data available.

Inhalation Product No data available.

12. Ecological Information**12.1 Toxicity****Acute toxicity**

Fish No data available.

Aquatic invertibrates No data available.

Chronic toxicity

Fish No data available.

Aquatic invertibrates No data available.

Inhibition of plant growth No data available.

12.2 Persistence and degradability

Biodegradability No data available.

BSB/CSB-ratio No data available.

12.3 Bioaccumulative potential No data available.

12.4 Mobility in soil No data available.

12.5 Results of PBT and vPvB assessment No data available.

12.6 Other adverse effects No data available.

Water pollution hazard class Not water hazardous.

13. Disposal Considerations

13.1 Waste treatment methods

General information Disposal of waste and residues in accordance with local regulations.

Methods of disposal Do not discharge into drains. Product and its containers must be disposed of in a safe way. When storing used products observe mixing ban.

European waste code 12 01 07*: processing oils free of halogen (except emulsions and solutions)

14. Transport Information

ADR/RID No hazardous goods

ADN No hazardous goods

IMDG No hazardous goods

IATA No hazardous goods

15. Regulatory Information

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

National regulations

Water pollution hazard class Not water hazardous.

15.2 Chemical Safety Assessment No chemical safety assessment carried out.

16. Other Information

Other information

This safety data sheet is prepared in accordance with Commission Regulation (EU) No. 453/2010.

Legal disclaimer

The above mentioned information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. This company shall not be held liable for any damage resulting from handling or from contact with the above mentioned product.