
SECTION 1: Identification of the substance / mixture and of the company / undertaking

Date issued 14.12.2010
Revision date 22.06.2017

1.1. Product identifier
Product name LUBRICANT
CAS No. 61789-97-7
EC No. 263-099-1

1.2. Relevant identified uses of the substance or mixture and uses advised against
Use of chemical, comments 100% tallow from cattle, raw material of food grade.

1.3. Details of the supplier of the safety data sheet
Distributor
Company name MCT Brattberg AB
Postal address Lyckeåborg
Postcode SE-37192
City Karlskrona
Country Sweden
Telephone number +46 455-37 52 00
Fax +46 455-37 52 90
Website http://www.mctbrattberg.se
Contact person info@mctbrattberg.se

1.4. Emergency telephone number
Emergency telephone	Telephone number: 112
Description: The European Union and GSM standard emergency number

SECTION 2: Hazards identification
2.1. Classification of substance or mixture

CLP classification, comments
Not classified

Additional information on classification
The product is not classified as hazardous according to current EU legislation.

2.2. Label elements

Other label information (CLP)
100% tallow from cattle, raw material of food grade.
No labelling required

Other EU labelling requirements
No labelling required

2.3. Other hazards

Other hazards
None known

SECTION 3: Composition / information on ingredients

3.1. Substances

Substance additional information
100% tallow from cattle, raw material of food grade.

SECTION 4: First aid measures

4.1. Description of first aid measures

General
Call a POISON CENTER or doctor/physician if you feel unwell.

Eye contact
Rinse cautiously with water for several minutes.

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

Information for health personnel
No specific recommendations

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

Other information
No information.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media
Foam, carbon dioxide or dry powder.

Improper extinguishing media
Do not use direct water jet on burning material.

5.2. Special hazards arising from the substance or mixture

Fire and explosion hazards
Closed containers may build up pressure when exposed to heat and should be cooled with water spray.

Hazardous combustion products
Carbon oxides (CO, CO2)

5.3. Advice for firefighters
SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures
Avoid discharge to sewer and water environment.

6.2. Environmental precautions

Environmental precautionary measures
Collect spillage.

6.3. Methods and material for containment and cleaning up

Cleaning method
Collect the material and flush with plenty of hot water.

6.4. Reference to other sections

Additional information
Regarding waste disposal, section 13

Handling and storage

7.1. Precautions for safe handling

Handling
No specific information.

7.2. Conditions for safe storage, including any incompatibilities

Conditions for safe storage

Storage temperature
Comments: Keep cool.

7.3. Specific end use(s)

Recommendations
No specific recommendations.

SECTION 8: Exposure controls / personal protection

8.1. Control parameters

Other Information about threshold limit values
The product has no occupational exposure limits.

8.2. Exposure controls

Precautionary measures to prevent exposure

Product related measures to prevent exposure
When handling this product wear safety glasses. As a precaution, wash hands after handling the product.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Other information
Undvik inandning av rök.
9.2. Other information

Other physical and chemical properties

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>Physical state</td>
<td>white grease</td>
<td></td>
</tr>
<tr>
<td>Odour</td>
<td>Mild odor of tallow.</td>
<td></td>
</tr>
<tr>
<td>Odour limit</td>
<td></td>
<td>Comments: Not relevant</td>
</tr>
<tr>
<td>pH</td>
<td></td>
<td>Status: In delivery state</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Comments: Not relevant</td>
</tr>
<tr>
<td>Melting point / melting range</td>
<td></td>
<td>Comments: No information available</td>
</tr>
<tr>
<td>Boiling point / boiling range</td>
<td></td>
<td>Comments: Not relevant</td>
</tr>
<tr>
<td>Flash point</td>
<td>Value: ~ 280 °C</td>
<td></td>
</tr>
<tr>
<td>Evaporation rate</td>
<td></td>
<td>Comments: Not relevant</td>
</tr>
<tr>
<td>Explosion limit</td>
<td></td>
<td>Comments: Not relevant</td>
</tr>
<tr>
<td>Vapour pressure</td>
<td></td>
<td>Comments: Not relevant</td>
</tr>
<tr>
<td>Vapour density</td>
<td></td>
<td>Comments: Not relevant</td>
</tr>
<tr>
<td>Specific gravity</td>
<td>Value: 890 kg/m³</td>
<td></td>
</tr>
<tr>
<td>Solubility in water</td>
<td>Insoluble.</td>
<td></td>
</tr>
<tr>
<td>Solubility</td>
<td></td>
<td>Comments: Soluble in organic solvents.</td>
</tr>
<tr>
<td>Partition coefficient: n-octanol/water</td>
<td>Comments: No information available</td>
<td></td>
</tr>
<tr>
<td>Spontaneous combustability</td>
<td></td>
<td>Comments: Not relevant</td>
</tr>
<tr>
<td>Decomposition temperature</td>
<td></td>
<td>Comments: No information available</td>
</tr>
<tr>
<td>Viscosity</td>
<td></td>
<td>Comments: No information available</td>
</tr>
<tr>
<td>Oxidising properties</td>
<td>None</td>
<td></td>
</tr>
</tbody>
</table>

SECTION 10: Stability and reactivity

10.1. Reactivity

Reactivity

None

10.2. Chemical stability

Stability

Stable during normal conditions.

10.3. Possibility of hazardous reactions

Possibility of hazardous reactions

None known.

10.4. Conditions to avoid

Conditions to avoid

Extremely high temperature.
10.5. Incompatible materials
Materials to avoid
No specific recommendations.

10.6. Hazardous decomposition products
Hazardous decomposition products
In case of fire, section 5.

SECTION 11: Toxicological information

11.1. Information on toxicological effects
Acute toxicity
Type of toxicity: Acute
Effect tested: LD50
Route of exposure: Oral
Value: > 5000 mg/kg

Other information regarding health hazards
Assessment of acute toxicity, classification
Based on available data the classification criteria are not met
Assessment of skin corrosion / irritation, classification
Based on available data the classification criteria are not met
Assessment of eye damage or irritation, classification
Based on available data the classification criteria are not met
Sensitisation
Based on available data the classification criteria are not met
Assessment of germ cell mutagenicity, classification
Based on available data the classification criteria are not met
Carcinogenicity, other information
Based on available data the classification criteria are not met
Assessment of reproductive toxicity, classification
Based on available data the classification criteria are not met
Assessment of specific target organ SE, classification
Based on available data the classification criteria are not met
Assessment of specific target organ toxicity RE, classification
Based on available data the classification criteria are not met
Assessment of aspiration hazard, classification
Based on available data the classification criteria are not met

SECTION 12: Ecological information

12.1. Toxicity
Ecotoxicity
No ecotoxicological studies have been made on the product.

12.2. Persistence and degradability
Persistence and degradability, comments
Expected to be biodegradable.

12.3. Bioaccumulative potential
Bioaccumulative potential
No expected bioaccumulation.
12.4. Mobility in soil

Mobility

Expected to float above the water surface. Insoluble in water.

12.5. Results of PBT and vPvB assessment

PBT assessment results

Not classified as PBT / vPvB according to current legislation.

12.6. Other adverse effects

Environmental details, summation

Avoid discharge into drains and water ways. The product is not toxic to aquatic organisms but a major release can cause physical fouling and cause breathing difficulties for aquatic organisms, birds and mammals.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Specify the appropriate methods of disposal

It is the responsibility of the waste generator to determine the toxicity and physical properties of the material generated to determine the proper waste classification and disposal methods in compliance with applicable regulations.

Other information

Packaging materials should, if possible, after cleaning be collected for recycling/reuse.

SECTION 14: Transport information

14.1. UN number

Dangerous goods

No

Comments

Not relevant

14.2. UN proper shipping name

Comments

Not relevant

14.3. Transport hazard class(es)

Comments

Not relevant

14.4. Packing group

Comments

Not relevant

14.5. Environmental hazards

ADR / RID / ADN

No

IMDG

No

14.6. Special precautions for user

Special safety precautions for user

Not relevant
14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Additional information

Product is not covered by international transport regulation of dangerous goods (IMDG, IATA, ADR/RID).

SECTION 15: Regulatory information

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

Legislation and regulations

This Safety Data Sheet conforms to Regulation (EC) n° 1907/2006 (REACH).

15.2. Chemical safety assessment

Chemical safety assessment performed

No

SECTION 16: Other information

Supplier's notes

The information on this data sheet represents our current data and is reliable provided that the product is used under the prescribed conditions and in accordance with the application specified on the packaging and/or in the technical guidance literature. Any other use of the product which involves using the product in combination with any other product or any other process is the responsibility of the user.

List of relevant H-phrases (Section 2 and 3)

Key literature references and sources for data

Previous version of the product MSDS and other information provided by the distributor.

Information added, deleted or revised

Changes to section: 2,11,14

Version

4

Prepared by

Emcon Miljökonsult AB www.emcon.se in collaboration with MCT Brattberg.