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

1.1 Product identifier
Lanolin oil

1.2 Relevant identified uses of the substance or mixture and uses advised against
Cosmetic, as moisturizer i.e. in cremes, lip sticks, wool washing

1.3 Details of the supplier of the safety data sheet
DEUTSCHE-LANOLIN-GESELLSCHAFT
Eichendorffstrasse 37
D-60320 Frankfurt am Main
Tel.: 069 / 56 10 34
Fax: 069 / 56 85 18
e-Mail: mathias@parmentier.de

1.4 Emergency telephone number
Giftinformationszentrum Mainz
Langenbeckstrasse 1
D-55131 Mainz
Tel.: 06131 / 19240

2 Hazards identification

2.1 Classification of the substance or mixture
According to EC-Regulation 1999/45/EC not classified as hazardous

2.2 Label elements

2.3 Other hazards
No hazardous effects on health and environment known

3 Composition/information on ingredients

3.2 Mixture
At room temperature liquid fraction of Lanolin and Isopropyl Palmitate
EINECS No.: 274-559-6
CAS No.: 70321-63-0

3.2.1 Description
Liquid Lanolin
4 First aid measures

4.1 Description of first aid measures

After eye and skin contact flush off with water.

After inhalation, move to fresh air. Consult a doctor, if feeling unwell.

After ingestion, rinse mouth. If ingestion of a large amount does occur, call a poison control center or consult a doctor.

4.2 Most important symptoms and effects, both acute and delayed

After skin and eye contact wipe off and flush with plenty of water.

After ingestion no measures necessary.

4.3 Indication of any immediate medical attention and special treatment needed

If the symptoms persist contact your medical doctor

5 Firefighting measures

5.1 Extinguishing media

Foam, CO₂, extinguishing powder

5.2 Special hazards arising from substance or mixture

None

5.3 Advice for firefighting

Water as media unsuitable. Use air supplied equipment for fighting interior fires.

6 Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Wipe away with warm water

6.2 Environmental precautions

Keep away in larger quantities from bodies of water or sewage systems.

Keep cool and dry

6.3 Methods and material for containment and cleaning up

Absorb by sand/sawdust and burn or deposit mechanically

6.4 Reference to other sections

None

7 Handling and storage

7.1 Precautions for safe handling

No special measures necessary

7.2 Conditions for safe storage, including any incompatibilities

Do not store in rooms with sprinkler system. Otherwise no special requirements

7.3 Specific end use(s)

No data available
8 Exposure controls/personal protection

8.1 Control parameters
None

8.2 Exposure controls
No hazard in normal conditions

9 Physical and chemical properties

9.1 Information on basic physical and chemical properties

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance</td>
<td>High viscous oil, yellow brown</td>
</tr>
<tr>
<td>Odour</td>
<td>Characteristic</td>
</tr>
<tr>
<td>Odour Threshold</td>
<td>No data available</td>
</tr>
<tr>
<td>pH</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Melting point/freezing point</td>
<td>ca. 10°C</td>
</tr>
<tr>
<td>Initial boiling point and boiling range</td>
<td>Decomposes before ebullition</td>
</tr>
<tr>
<td>Flashpoint</td>
<td>Above 200°C</td>
</tr>
<tr>
<td>Evaporation rate</td>
<td>No data available</td>
</tr>
<tr>
<td>Flammability</td>
<td>No data available</td>
</tr>
<tr>
<td>Upper/lower flammability or explosive limits</td>
<td>No data available</td>
</tr>
<tr>
<td>Vapour pressure</td>
<td>No data available</td>
</tr>
<tr>
<td>Vapour density</td>
<td>No data available</td>
</tr>
<tr>
<td>Relative density (25 °C)</td>
<td>0.94 g/cm³</td>
</tr>
<tr>
<td>Solubility in water</td>
<td>insoluble</td>
</tr>
<tr>
<td>Partition coefficient: n-octanol/water</td>
<td>15.4 (calculated)</td>
</tr>
<tr>
<td>Autoignition temperature</td>
<td>Above 275 °C</td>
</tr>
<tr>
<td>Decomposition temperature</td>
<td>Above 275 °C</td>
</tr>
<tr>
<td>Viscosity (69 °C)</td>
<td>No data available</td>
</tr>
<tr>
<td>Explosive properties</td>
<td>No data available</td>
</tr>
<tr>
<td>Oxidizing properties</td>
<td>No data available</td>
</tr>
</tbody>
</table>

9.2 Other information
Soluble in Aceton

10 Stability and reactivity

10.1 Reactivity
No dangerous reactions known

10.2 Chemical stability
Stable in normal conditions

10.3 Possibility of hazardous reactions
No hazardous reactions known

10.4 Conditions to avoid
Keep away from fire

10.5 Incompatible materials
Nitric acid, sulphuric acid, strong oxidising agents

10.6 Hazardous decomposition products
No hazardous decomposition products known
11 Toxicological information

11.1 Information on toxicological effects

a) Acute toxicity: LD₅₀ (rat, oral) > 46.5 g/kg
LD₅₀ (rabbit, skin) > 2 ml/kg

b) Skin corrosion/irritation: mild skin corrosion or irritation.

c) Serious eye damage/eye irritation: Mild to moderate eye corrosion or irritation.

d) Respiratory or skin sensitization: Incidence of lanolin allergy in the general population has been estimated to be no more than 5.5 (± 4.2) cases per million people.

e) Germ cell mutagenicity: No data available

f) Carcinogenicity: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

g) Reproductive toxicity: No data available

h) Specific target organ toxicity - single exposure: No data available

i) Specific target organ toxicity - repeated exposure: No data available

j) Aspiration hazard: No data available

12 Ecological information

12.1 Toxicity

Water hazard class: WGK I (acc. VwVwS dd. 17.05.1999)

12.2 Persistence and degradability

Biodegradable

12.3 Bioaccumulative potential

No bioaccumulative potential

12.4 Mobility in soil

No groundwater contamination

12.5 Results of PBT and vPvB assessment

No safety assessment needed

12.6 Other adverse effects

Not known

13 Disposal considerations

13.1 Waste treatment methods

Burning or deposition, respect local requirements
14 Transport information

14.1 UN number                   None
14.2 UN proper shipping name     None
14.3 Transport hazard class(es)  Not classified in the ADR/IATA/IMDG/RID guidelines
14.4 Packing group               None
14.5 Environmental hazards      None
14.6 Special precautions for user None

15 Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture
Regulation EC 1069/2009,
Regulation EC 142/2011

15.2 Chemical safety assessment  Not to be labelled as hazardous

16 Other information

No relevant R phrases
No special training is required or restriction does apply for the use
INCI name: LANOLIN OIL
For further information see www.lanolin.de