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

1.1 Product identifier

Ethoxylated Lanolin

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

Cosmetic, as moisturizer i.e., in creams, shampoos, also as O/W emulsifier

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 35

Fax: 069 / 56 85 18

e-Mail: info@lanolin.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 (EC) 1272/2008 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

Ethoxylated Lanolin (30 or 75 EO average molecular ratio)

CAS Nr.: 61790-81-6

3.2.1 Description

Ethoxylated Lanolin with PEG
4 First aid measures

4.1 Description of first aid measures
After **eye and skin contact** flush off with water.
After **inhaletion**, 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, treat as oil fire

5.2 Special hazards arising from substance or mixture
None

5.3 Advice for firefighting
Water is as extinguishing media unsuitable.
Use air supplied equipment for fighting interior fires

6 Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures
No measures necessary

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

<table>
<thead>
<tr>
<th>Property</th>
<th>PEG-30 / PEG-75</th>
<th>PEG-75/50</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance</td>
<td>Wax pale yellow</td>
<td>High viscous</td>
</tr>
<tr>
<td>Odour</td>
<td>Characteristic</td>
<td></td>
</tr>
<tr>
<td>Odour Threshold</td>
<td>No data available</td>
<td></td>
</tr>
<tr>
<td>pH</td>
<td>Not applicable</td>
<td></td>
</tr>
<tr>
<td>Melting point/freezing point</td>
<td>Ca. 45 °C</td>
<td>n.a.</td>
</tr>
<tr>
<td>Initial boiling point and boiling range</td>
<td>Decomposes before ebullition</td>
<td></td>
</tr>
<tr>
<td>Flashpoint</td>
<td>above 100 °C</td>
<td></td>
</tr>
<tr>
<td>Evaporation rate</td>
<td>No data available</td>
<td></td>
</tr>
<tr>
<td>Flammability</td>
<td>No data available</td>
<td></td>
</tr>
<tr>
<td>Upper/lower flammability or explosive limits</td>
<td>No data available</td>
<td></td>
</tr>
<tr>
<td>Vapour pressure</td>
<td>No data available</td>
<td></td>
</tr>
<tr>
<td>Vapour density</td>
<td>No data available</td>
<td></td>
</tr>
<tr>
<td>Relative density (25 °C)</td>
<td>0.856 g/cm³</td>
<td></td>
</tr>
<tr>
<td>Solubility in water</td>
<td>Soluble in hot water</td>
<td>Water miscible</td>
</tr>
<tr>
<td>Partition coefficient: n-octanol/water</td>
<td>15.4 (calculated)</td>
<td></td>
</tr>
<tr>
<td>Autoignition temperature</td>
<td>n.a.</td>
<td>n.a.</td>
</tr>
<tr>
<td>Decomposition temperature</td>
<td>above 200 °C</td>
<td>n.a.</td>
</tr>
<tr>
<td>Viscosity (59 °C)</td>
<td>No data available</td>
<td></td>
</tr>
<tr>
<td>Explosive properties</td>
<td>No data available</td>
<td></td>
</tr>
<tr>
<td>Oxidizing properties</td>
<td>No data available</td>
<td></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
CO, CO₂
11 Toxicological information

11.1 Information on toxicological effects

a) Acute toxicity:  
   LD$_{50}$ (rat, oral) > 54 g/kg  
   LD$_{50}$ (rabbit, skin) > 5 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 ($\pm$ 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  
   Acc. EN ISO 14593 78% degraded in 28 days

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: PEG 30 LANOLIN / PEG 75 LANOLIN / PEG 75 LANOLIN and AQUA

For further information see www.lanolin.de