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

1.1 Product identifier

Cholesterol

Trademark:

CHOLESTEROL, all grades

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

Cosmetics, manufacture of Vitamin D₃, steroidal hormones, cholesteryl esters

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

3.1 Substance

Cholesterol
EINECS Nr.: 200-353-2
CAS Nr.: 57-88-5

3.1.1 Description

Cholesterol
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, 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**

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>Powder, white</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>Approx. 150 °C</td>
</tr>
<tr>
<td>Initial boiling point and boiling range</td>
<td>Decomposes before ebullition</td>
</tr>
<tr>
<td>Flashpoint</td>
<td>Above 180 °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>0.26 - 0.48 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>No data available</td>
</tr>
<tr>
<td>Decomposition temperature:</td>
<td>Above 200 °C</td>
</tr>
<tr>
<td>Viscosity (59 °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 Acetone

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: LD$_{50}$ (rat, oral) > 2 g/kg
   LD$_{50}$ (rabbit, skin): not irritating

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

c) Serious eye damage/eye irritation: 5% Cholesterol in corn oil is minimal eye irritant.

d) Respiratory or skin sensitization: No skin sensitization. Effect on airways unknown.

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. Used as food for crabs.

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

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: CHOLESTEROL
For further information see www.lanolin.de