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

1.1 Product identifier

Lanolin wax

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

As plasticizer of internal lacquer coatings of food containers, in cosmetics for moisturizing

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: msds@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

3.1 Substance

Lanolin Wax is the semisolid fraction of lanolin obtained by physical means from whole lanolin.
EINECS No.: 269-220-4
CAS No.: 69201-49-0

3.1.1 Description

Alcohol esters with Lanolin fatty acids
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

- a) Appearance: Wax yellow brown
- b) Odour: Characteristic
- c) Odour Threshold: No data available
- d) pH: Not applicable
- e) Melting point/freezing point: Decomposes before ebullition
- f) Initial boiling point and boiling range: Above 200 °C
- g) Flashpoint: No data available
- h) Evaporation rate: No data available
- i) Flammability: No data available
- j) Upper/lower flammability or explosive limits: No data available
- k) Vapour pressure: No data available
- l) Vapour density: No data available
- m) Relative density (25 °C): 0.94 g/cm³
- n) Solubility in water: Insoluble
- o) Partition coefficient: n-octanol/water: 15.4 (calculated)
- p) Autoignition temperature: Above 275 °C
- q) Decomposition temperature: Above 275 °C
- r) Viscosity (59 °C): No data available
- s) Explosive properties: No data available
- t) Oxidizing properties: No data available

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) > 16 g/kg
   LD$_{50}$ (rabbit, skin) > 16 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
Oxigen: Biochemical (BSB) 1261 mgO$_2$/g
   Chemical (CSB) 3147 mgO$_2$/g

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 CERA or LANOLIN WAX

For further information see www.lanolin.de