

# SAFETY DATA SHEET

## LANOLIN

Safety data sheet according to 1907/2006/EC, Article 31

Date of issue: 17 08 2016

### 1. IDENTIFICATION

- **Product name :** Lanolin
- **Trade names:** Wool fat (Adeps lanae), pesticide free Ph. Eur./ Product-No. 500023
- **Application of the substance/mixture:**  
Cosmetic, Pharma
- **EC market placer (distributor):**  
PANNOC NV  
Lammerdries Oost 23  
2250 OLEN – BELGIUM
- **Telephone number / fax number / e-mail address:**  
TEL.: +0032 14 21 70 18 - FAX: 0032 14 23 14 10 - E-MAIL: info@pannoc.eu
- **Emergency telephone number :** Police and Fire Department
- **REACH Status:** Exempted from compulsory Regulation according to Annex II No. 9 of Commission Regulation (EC) No. 987/2008 amending Regulation (EC) No 1907/2006 of REACH as regards Annexes IV and V.
- All information based on Safety Data sheet supplier.

### 2. HAZARD IDENTIFICATION

- **EC/GHS Classification:** Not classified  
REACH Status: Exempted from compulsory Regulation according to Annex II No. 9 of Commission Regulation (EC) No. 987/2008 amending Regulation (EC) No 1907/2006 of REACH as regards Annexes IV and V.
- **Signal word:** No signal word
- **Human Health Hazards :** No known significant effects or critical hazards
- **Physico-chemical and environmental hazards and effects:** None

### 3. COMPOSITION /INFORMATION ON INGREDIENTS

- **Chemical characterisation:** Mixture of fatty acids, higher alcohols, free fatty acids and alcohols.
- **CAS-No. :** 8006-54-0
- **EINECS-No. :** 232-348-6
- **Reach Registration no.:**
- **INCI-Name :** Lanolin

There are no additional ingredients present which, within the current knowledge of the supplier, are classified and contribute to the classification of the substance and hence require reporting in this section.

### 4. FIRST- AID MEASURES

- **General :** In all cases of doubt, or when symptoms persist, seek medical attention.
- **First aid – inhalation :** Fresh air. Get medical attention if symptoms occur.
- **First aid – skin :** Flush contaminated skin with plenty of water, wash with soap and rise thoroughly. Remove contaminated clothing and shoes.
- **First aid – eye :** Immediately flush eyes with plenty of water. Check for and remove any contact lenses. Get medical attention if irritation occurs.
- **First aid – ingestion :** Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur.

### 5. FIRE FIGHTING MEASURES

- **Extinguishing media :** Foam, dry chemical powder, carbon dioxide, sand or earth.
- **Unsuitable extinguishing media :** water with full jet.
- **Special exposure hazards :** Avoid contact with oxidising agents.
- **Hazardous decomposition / combustion products :** Combustion products: smoke, CO, CO<sub>2</sub>. At high temperatures acrolein may be formed.
- **Advice for firefighters :**  
Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus with a full face-piece operated in positive pressure mode. Clothing for fire-fighters conforming to European standard EN 469 will provide a basic level of protection for chemical incidents.

## 6. ACCIDENTAL RELEASE MEASURES

- **Personal precautions :** The usual precautions for handling chemicals should be observed. Do not touch or walk through split material. Put on appropriate personal protective equipment.
- **Environmental precautions :** Avoid dispersal of split material and runoff and contact with soil, waterways, drains and sewers.
- **Clean - up methods :**  
*Small spill:* Stop leak if without risk. Move container from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.  
*Large spill:* Stop leak if without risk. Move container from spill area. Prevent entry into sewers, water courses, basements or confined areas. Wash spillage into an effluent treatment plant or proceed as follows. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations. Dispose of via licensed waste disposal contractor.

## 7. HANDLING AND STORAGE

- **Precautions for safe handling:**  
Advice on general occupational hygiene  
The usual precautions for handling chemicals should be observed. Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas.
- **Storage :** Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabelled containers. Use appropriate containment to avoid environmental contamination. Lanolin contains max. 200 mg Butylhydroxytoluene (BHT).

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

- **Control parameters:** not applicable
- **Occupational exposure standards :**

- **Hygiene measures:** Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing.
- **Respiratory protection :** Use a properly fitted, air-purifying or air-fed respirator complying with an approved standard if a risk assessment indicates this is necessary. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator. Recommended: organic vapour filter.
- **Hand protection :** Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary. >8 hours (breakthrough time): neoprene, nitrile, Viton®.
- **Eye - Protection :** safety eyewear.
- **Body Protection :** Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.
- **Environmental exposure controls:** Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

- **Form :** unctuous mass
- **Colour :** pale yellow to brownish yellow
- **Odour :** characteristic

	<u>Value</u>	<u>Unit</u>	<u>Method</u>
<b>Change of physical state :</b>			
▪ Melting area:	ca. 38-44	°C	Open cup
▪ Boiling point:	unknown	°C	Open cup
▪ Flash point:	285-295	°C	Open cup
▪ Ignition point:	> 295	°C	
▪ Explosive properties:	not available		
▪ Danger of explosion:	product does not present an explosion hazard		
▪ Density :	ca 0,90-0,95	g/cm <sup>3</sup> at 20° C	
▪ Viscosity:	ca 280 cP at 50°C		
	ca 130 cP at 60°C		
▪ pH-value:	10g/L water		
▪ Solubility in water :	formation of a emulsion at temperatures above the melting point.		

## 10. STABILITY /REACTIVITY

- **Reactivity:** No specific test data related to reactivity available for this product or its ingredients.
- **Chemical stability:** The product is stable.
- **Possibility of hazardous reactions:** Under normal conditions of storage and use, hazardous reactions will not occur.
- **Conditions to avoid:** No specific data.
- **Incompatible materials:** see section 7. Avoid contact with oxidising agents.
- **Hazardous decomposition products:** smoke and irritating vapours when heated to decomposition. At very high temperatures acrolein may be formed.

## 11. TOXICOLOGICAL INFORMATION

Acute oral toxicity to rats: LD50 is greater than the maximum practical dose of 16 g/kg.

- Conclusion: Not available.
- Irritation/Corrosion: In an individual case allergic reactions may appear if the product is directly used on the skin.
- Sensitization: Not available.
- Carcinogenicity: No further relevant information available.
- Specific target organ toxicity (single exposure): Not available.
- Specific target organ toxicity (repeated exposure): Not available.

Not classified as hazardous conform EEC Dangerous Substance Directive and Dangerous Preparation Directives. If the product is used properly it will not cause any injuries to health.

## 12. ECOLOGICAL INFORMATION

- Toxicity: No data available.
- Persistence and degradability: Product is biodegradable.
- Bioaccumulative potential: Does not accumulate in organisms.
- Mobility in soil: No data available.
- Results of PBT and vPvB assessment
  - PBT: No.
  - vPvB: No.
- Other adverse effects: If it gets into water in form of emulsion BSB5 and CSB may increase.
  - CSB-value: 2000 mg/g
  - BSB5-value: 700 – 900 mg/g
  - AOX-hint: 4,2 mg/100g

### 13. DISPOSAL INFORMATION

- **Methods of disposal:** Significant quantities of waste product residues should not be disposed of via the foul sewer but processed in a suitable effluent treatment plant. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements.
- **Packaging:** The generation of waste should be avoided or minimized wherever possible. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible.

EU-disposal code: 13 08 99 oil waste. Classification of waste is in end user's individual authority.

### 14. TRANSPORT INFORMATION

- No hazardous goods according UN, IMO, ADR/RID und IATA/ICAO.

### 15. REGULATORY INFORMATION

- **Safety, health and environmental regulations/legislation specific for the substance**
  - Not classified as dangerous according to CLP Regulation (EC) No. 1272/2008.
  - Not classified as dangerous according to Directive 67/548/EC or Directive 1999/45/EC.
  - REACH Status: Exempted from compulsory Regulation according to Annex II No. 9 of Commission Regulation (EC) No. 987/2008 amending Regulation (EC) No 1907/2006 of REACH as regards Annexes IV and V.
- **Chemical Safety Assessment:** complete.

### 16. OTHER INFORMATION

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