

SAFETY DATA SHEET

Lanolin USP 23

according to Regulation (EC) No. 1907/2006 (REACH)
and Commission Regulation (EU) No. 2015/830

Issue Date: 23/04/2018
Revision Date: -
version: AND

Section 1: Identification of the substance/mixture and the company/enterprise

1.1 Product identifier Chemical /

Lanolin USP 23

trade name: 8006-54-0
CAS identification number: 232-348-6
EC number: Ekokoza s.r.o
Registration number: Fryčovice 297
Manufacturer: 73945, Fryčovice
Address: ID: 07508247
VAT number: CZ07508247

1.2 Appropriate uses of the substance or mixture and uses advised against Intended uses:

Cosmetic and pharmaceutical industry.

Not recommended uses: Not listed.

1.3 Detailed data on the supplier of the safety data sheet Trade

name: Ekokoza s.r.o
Punch: Fryčovice 297
Identification number: 73945, Fryčovice
Phone: ID: 07508247
www: VAT number: CZ07508247
BL Processor: 1.4

Telephone number for emergency situations

Toxicology Information Centre, Na Bojišti 1, Prague 2, 128 08 Tel.: +420 224 91
92 93, +420 224 91 54 02 - NONSTOP

Section 2: Hazard identification

2.1 Classification of substance /

mixture 2.1.1 Classification according to regulation (EC) no.

1272/2008 (CLP):

The substance is not classified as dangerous.

2.2 Marking elements

Not classified.

Labeling according to Regulation (EC) No. 1272/2008

(CLP): Symbol: Not classified.

Signal word: Not classified.

Contains: Lanolin. A fatty substance obtained from sheep's wool. It contains a complex mixture of esters and multiple esters, mainly esters of cholesterol and ischolesterol with higher fatty acids.

H-phrases: Not classified.

P-instructions: Not classified.

Additional information: They are not

2.3 Another danger

May irritate the skin.
May irritate the eyes.
Ingestion may cause mucous membrane irritation.
May cause respiratory tract irritation.

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Section 3: Composition / information on ingredients

3.1 Substances

3.2 Mixtures

Folder name	Contents (%)	TIME EINECS Index N° Reg. number	Classification according to regulation (EC) no. 1272/2008 (CLP)
Lanolin. A fatty substance obtained from sheep waves. It contains a complex mixture of esters and multiple esters, mainly esters of cholesterol and ischolesterol with higher fatty acids.	100.00000	8006-54-0 232-348-6 - -	Not classified

Full text of H-phrases in point 16.

Section 4: First aid instructions

4.1 Description of first aid

General instructions:

In any case, avoid chaotic actions. If medical treatment is necessary, always take the original packaging with the label or the safety sheet with you.

In life-threatening situations, first perform resuscitation of the affected person and provide medical assistance. Respiratory arrest - perform artificial respiration immediately.

Cardiac arrest - perform indirect cardiac massage immediately. Unconsciousness - place the victim in a stabilized position on his side. It is always necessary to assess the situation with regard to one's own safety and the safety of the affected person. We will only enter the infested area if we have adequate protection (insulating breathing apparatus, mask with the appropriate filter, securing by another worker, etc.) ATTENTION! Whenever it comes to poorly ventilated spaces, the possibility that the space is infested must be taken into account!

When handling stained clothing or other objects, it is necessary to protect yourself with appropriate personal protective work equipment, including gloves. First aid should not be carried out on the spot, where the accident occurred if there is a risk of contamination of the rescuer.

When inhaling:

Interrupt exposure. Remove the victim to fresh air, keep him calm and warm.

In case of skin contact:

Remove contaminated clothing and footwear. Wash affected skin with soap and water. Seek medical attention if irritation occurs.

In case of eye contact:

If contact lenses are worn, carefully remove them and start rinsing with clean water, with the affected eye wide open, from the inner corner to the outer and also under the lids for at least 15 minutes. Seek medical attention if problems persist.

If ingested:

Rinse mouth with water. Do not induce vomiting. Never give anything by mouth to an unconscious or convulsing person.

Protection of first responders:

When providing first aid, it is necessary to ensure the safety of both the rescuer and the rescued.

4.2 Most important symptoms and effects, both acute and delayed

No data available.

4.3 Indication of immediate medical attention and special treatment

Symptomatic treatment.

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Section 5: Fire fighting measures

5.1 Fire extinguishers

Suitable extinguishing agents:

Foam, extinguishing powder, CO₂, water mist.

Unsuitable extinguishing agents:

Direct stream of water - fire could spread.

5.2 Special hazards arising from the mixture

Combustion products and hazardous gases: smoke, carbon monoxide, carbon dioxide.

5.3 Instructions for firefighters

Emergency responders exposed to smoke or vapors must be equipped with respiratory and eye protection. When working in closed spaces, it is necessary to use a self-contained breathing apparatus. Cool containers exposed to fire with water mist. Collect extinguishing water separately and prevent it from entering water and soil.

Anti-chemical protective clothing (ýSN EN 469).

Section 6: Accidental release measures

6.1 Personal protection measures, protective equipment and emergency procedures

Use suitable protective clothing, change soiled clothing. Avoid contact with skin and eyes, contamination of clothing and footwear. Ensure ventilation of the affected area.

All persons not involved in rescue work should be sent to a safe distance.

6.2 Environmental protection measures

Prevent leakage into the environment, prevent penetration into surface water and sewage, subsoil and soil. In the event of a leak into a sewer or watercourse, immediately inform its administrator, the police, the fire department, or the ŽP KÚ department.

6.3 Methods and material for containment and cleaning up

In the event of a leak, locate and, if possible, pump out the product / mechanically remove it. Residues or smaller amounts should be swept up / allowed to soak into a suitable sorbent (universal sorbent, diatomaceous earth, earth, sand) and placed in suitable marked containers and handed over for disposal in accordance with applicable regulations.

6.4 Reference to Other Sections

see dept. 7, 8 and 13.

Section 7: Handling and storage

7.1 Precautions for safe handling

Avoid contact with skin and eyes. Use appropriate PPE. Use only in well-ventilated areas with a guaranteed supply of fresh air or with sufficient ventilation. Do not eat, drink or smoke while working. Wash hands after finishing work. Comply with legal regulations on occupational health and safety.

7.2 Conditions for safe storage of mixtures, including incompatible substances and mixtures

Store in well-closed original packaging in dry, cool and well-ventilated places. Store in an upright position to prevent leaks and drips. Store separately from food, feed and medicines.

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7.3 Specific end / specific end uses

see section 1.2

Section 8: Exposure controls / personal protective equipment

8.1 Control parameters

Exposure limits:

Government Regulation No. 361/2007 Coll., which establishes the conditions for health protection at work, as amended, establishes the following maximum permissible concentrations (NPK-P) and permissible exposure limits (PEL) of chemical substances in the workplace air:

Substance	TIME	PEL (mg/m ³)	NPK-P (mg/m ³)	Note

DNEL and PNEC values for the other components of the mixture have not been determined.

8.2 Limiting Exposure

Technical measures:

Engineering measures and appropriate work procedures take precedence over personal protective equipment.

Observe normal hygiene principles. Do not eat, drink or smoke while working. Wash your hands with warm water and soap before a work break and after work.

Individual protective measures

Respiratory tract:

In case of exceeding the exposure limits, during the formation of dust, fog, aerosol, use a mask with a suitable filter (type ABEK - ěSN EN 14387 - anti-gas and combined filters; type P - ěSN EN 143 - filters against particles; type FFP3 / FFP2 - ěSN EN 149 - half masks against particles; ěSN EN 142 - mouthpieces).

Hands:

Protective work gloves (ěSN EN 374). Follow the exact instructions from the manufacturer, including the time of use. Replace damaged gloves.

Eyes:

Safety glasses with side labels or a face shield (ěSN EN 166).

Skin:

Work clothes (ěSN EN 340) and footwear (ěSN EN 347). Protective clothing against liquid chemicals (ěSN EN 14605).

Thermal hazards:

Limiting environmental exposure:

Prevent unnecessary leaks into the environment.

Section 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

State:	Paste
Color:	White to dark yellow
Odor:	Characteristic
Odor Threshold:	No data available.
pH :	No data available.
Melting / freezing point (°C):	38-44

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Initial boiling point / boiling point

range (°C):

Flash point (°C): 276

Evaporation rate: No data available. No

Combustibility: data available. No data

Limits (upper / lower) of flammability /

explosiveness:

Vapor pressure (20 °C): No data available. No

Vapor pressure (50 °C): data available. No data

Vapor density: available.

Relative density (g/cm³, 20 °C): No data available. No

Solubility in water (20 °C): data available. No data

Partition coefficient

n-octanol/water:

Auto-ignition temperature: No data available. No

Decomposition temperature: data available. No data

Viscosity (20 °C): available. No data

Refractive index (20 °C) available. No data

Oxidizing properties: available. No data

Explosive properties: available.

9.2 Additional information

VOC content (%): No data available. No

Dry matter

content: Additional information: They are not

Section 10: Stability and reactivity

- | | | |
|------|------------------------------------|---|
| 10.1 | Reactivity | No data available. |
| 10.2 | Chemical stability | No data available. |
| 10.3 | Possibility of hazardous reactions | Stable under normal storage conditions. |
| 10.4 | Conditions to avoid | Open fire. |
| 10.5 | Incompatible materials | Strong oxidizing agents. |
| 10.6 | Hazardous decomposition products | No data available. |

Section 11: Toxicological information

11.1 Information on the toxicological effects of individual components

Lanolin. A fatty substance obtained from sheep's wool. It contains a complex mixture of esters and multiple esters, mainly esters of cholesterol and ischolesterol with higher fatty acids. (CAS: 8006-54-0)

Acute toxicity:

Test type	Result	Exposure route	Test organism
Pivotal study (25% test substance)	20 mg/kg [LD50]		rat

Serious eye damage/irritation:

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Test type	Result	Exposure route	Test organism
Draize test	Mild eye irritation		rabbit

Skin corrosion/irritation:

Test type	Result	Exposure route	Test organism
Draize test	Does not irritate the skin		rabbit

Respiratory/Skin Sensitization:

Test type	Result	Exposure route	Test organism
	No data available.		

STOT - single exposure:

Test type	Result	Exposure route	Test organism
	No data available.		

STOT - repeated exposure:

Test type	Result	Exposure route	Test organism
	No data available.		

Carcinogenicity:

Test type	Result	Exposure route	Test organism
	No data available.		

Germ cell mutagenicity:

Test type	Result	Exposure route	Test organism
	No data available.		

Reproductive toxicity:

Test type	Result	Exposure route	Test organism
	No data available.		

Inhalation hazard:

Test type	Result	Exposure route	Test organism
	No data available.		

Mixture:

Acute toxicity:

Test type	Result	Exposure route	Test organism
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(EU) No. 2015/830 No data available

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Serious eye damage/irritation:

Test type	Result	Exposure route	Test organism
	No data available.		

Skin corrosion/irritation:

Test type	Result	Exposure route	Test organism
	No data available.		

Respiratory/Skin Sensitization:

Test type	Result	Exposure route	Test organism
	No data available.		

STOT - single exposure:

Test type	Result	Exposure route	Test organism
	No data available.		

STOT - repeated exposure:

Test type	Result	Exposure route	Test organism
	No data available.		

Carcinogenicity:

Test type	Result	Exposure route	Test organism
	No data available.		

Germ cell mutagenicity:

Test type	Result	Exposure route	Test organism
	No data available.		

Reproductive toxicity:

Test type	Result	Exposure route	Test organism
	No data available.		

Inhalation hazard:

Test type	Result	Exposure route	Test organism
	No data available.		

Section 12: Ecological information

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12.1 Toxicity

Lanolin. A fatty substance obtained from sheep's wool. It contains a complex mixture of esters and multiple esters, mainly esters of cholesterol and isocholesterol with higher fatty acids. (CAS: 8006-54-0)

Toxicity	Test organism	Result	Test type
Acute toxicity to fish:		No data available.	
Acute toxicity to invertebrates:		No data available.	
Acute toxicity to algae:		No data available.	

12.2 Persistence and Deployability

Biodegradable.

12.3 Bioaccumulative potential

It is not bioaccumulative.

12.4 Mobility in soil

No data available.

12.5 Results of PBT and vPvB assessment

Based on the results of the assessment, this substance is not PBT or vPvB.

12.6 Other Adverse Effects

They are not known.

Section 13: Disposal considerations

13.1 Waste management methods

Cat. mixture waste no.: No data available.

Cat. No. of the package contaminated with the mixture: No data available.

Recommended procedure for disposal of mixture waste: No data available.

Recommended procedure for disposal of waste packaging contaminated with substance / mixture: Empty packaging must be disposed of by the waste generator in accordance with applicable waste legislation. After perfect cleaning, the packaging can be used as a secondary raw material for the same purpose. The recommended method of disposal is recycling, burning in a hazardous waste incinerator or depositing hazardous waste in a landfill.

Physical/chemical properties that may affect waste management: No data available.

Prevention of disposal of wastes through sewers: Protect against the weather. Prevent leakage of waste into water/soil/sewage. In case of leakage, inform the relevant authorities.

Special precautions for waste management: Dispose in accordance with applicable legislation.

Section 14: Transport information

	Transport type	Land transport ADR/RID	Sea transportation IMDG	Air transport ICAO / IATA
14.1	UN number			

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14.2	Official (UN) shipping name	It is not a dangerous item in terms of transport.		
14.3	Transport hazard class			
	Classification code:			
	Hazard identification number:			
	Safety signs:			
14.4	Packaging group			

14.5 Environmental hazard

14.6 Special security measures for users

Limited and exempt quantities:

Transport category:

Restriction code for tunnels:

14.7 Bulk transport according to Annex II of the MARPOL Convention and the IBC Regulation

Section 15: Regulatory Information

15.1 Safety, health and environmental regulations / specific legislation relating to the substance or mixture

all as amended and including implementing regulations

Act No. 350/2011 Coll., on chemical substances...

Act No. 258/2000 Coll., on the protection of public health...

Act No. 185/2001 Coll., on waste...

Act No. 201/2012 Coll., on air...

Act No. 254/2001 Coll., on waters...

Act No. 477/2001 Coll., on packaging...

Act No. 111/1994 Coll., on road transport

Act No. 224/2015 Coll., on the prevention of serious accidents...

NV No. 361/2007 Coll., Health protection conditions at work...

Decree No. 432/2003 Coll., which establishes the conditions for classifying works into categories...

Regulation (EC) No. 1272/2008 (CLP) on classification, labeling and packaging of substances and mixtures,...

Directive 67/548/EEC as amended Regulation (EC) No.

1907/2007 (REACH) on the registration, evaluation, authorization and restriction of chemical substances....

Regulation of the European Parliament and the Council (EC) No. 648/2004 on detergents

Regulation (EC) No. 528/2012 on biocides

15.2 Chemical safety assessment

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Section 16: Additional Information

Full text of all H-phrases listed in point 3:

H-phrases:

Abbreviations:

PEL	Permissible exposure limit
NPK-P	The highest permissible concentration in the workplace
PBT	Persistent, bioaccumulative, toxic
vPvB	Highly persistent and highly bioaccumulative
VOCs	Volatile organic substances
TIME	Chemical Abstracts Service
EINECS	European Inventory of Existing Commercial chemicals Substances
OEL	Occupational Exposure Limit (exposure limit at the workplace - 8 hours/shift)
STEL	Short Term Exposure Limit (short-term exposure - corresponds to approx. 15 min.)
TODAY	Derived no-effect level
PNEC	Predicted no-effect concentration
LD50	Lethal dose for 50% of individuals (lethal dose for 50%)
LL50	Lethal load for 50% (lethal load for 50%)
EL50	Effect level for 50%
IL 50	Inhibition load for 50% (inhibition load for 50%)
LC50	Lethal concentration for 50% (lethal concentration for 50%)
EC50	Effect concentration for 50% (effect concentration for 50%)
IC50	Inhibition concentration for 50% (inhibition concentration for 50%)
CHRISTMAS	No observable effect level (no observable effect level)
NOAEL	No observable adverse effect level
NOAEC	No observable adverse effect concentration
LOL	Lowest observable effect level
LOAEL	Lowest observable adverse effect level
LOEC	Lowest observable effect concentration
LOAEC	Lowest observable adverse effect concentration
NO	Exposure without effect (no effect level)
ADR	European agreement on the international transport of dangerous goods by road
RID	Order for the International Rail Transport of Dangerous Goods
IMDG	International Regulation on the Carriage of Dangerous Goods by Sea
ICAO	Technical instructions for the safe air transport of dangerous goods
IATA	International Air Transport Association
WGK	Water hazard classes (Wassergefährdungsklassen)
TT	Toxic threshold
ADN	Inland waterways

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Changes against the previous version of BL:

This revision follows version and is in accordance with Regulation (EC) No. 1272/2008 (CLP).

The following materials were used for the revision of the safety data sheet:

Casac program, supplier MSDS.

The classification was carried out by a computational method.

Training Guidelines:

Workers who come into contact with dangerous substances must be familiarized with the effects of these substances, the methods of handling them, and protective measures to the extent necessary.

Furthermore, they must be familiar with the principles of first aid, with the necessary sanitation procedures and with the procedures for liquidating malfunctions and accidents.

The person who handles this chemical product must be familiar with the safety rules and information given in the safety data sheet.

If the hazardous chemical substance/mixture is classified as corrosive or toxic, workers must be familiar with the Rules for Handling Corrosive/Toxic Chemical Substance/Mixture.

Persons transporting dangerous substances must be familiar with the instructions in the event of an accident in accordance with ADR/RID regulations.

Additional information:

The above information describes the conditions for safe handling of the product and corresponds to the current knowledge of the manufacturer, serves as instructions for the training of persons handling the product.

The manufacturer bears a guarantee for the above-described properties of the product in the recommended way of use.

The user is responsible for determining the suitability of the product for specific purposes and adapting safety measures if this use is contrary to the manufacturer's recommendations.