

Trade name: Xylitolum

Substance number: 068477

Version: 4 / CH

Date revised: 12.02.2024

Replaces Version: 3 / CH

Print date: 12.02.24

## **SECTION 1: Identification of the substance/mixture and of the company/undertaking**

### **1.1. Product identifier**

Xylitolum

Item No. 06847700

#### **Registration no.**

Registration no. 01-2119985700-33

#### **Substance / product identification**

CAS-No. 87-99-0

EINECS-No. 201-788-0

IUPAC Name pentane-1,2,3,4,5-pentol

### **1.3. Details of the supplier of the safety data sheet**

#### **Address/Manufacturer**

Hänseler AG

Industriestrasse 35

9100 Herisau

Telephone no. 0041 (0)71 353 58 58

E-mail address of sdb@haenseler.ch

person responsible

for this SDS

### **1.4. Emergency telephone number**

Switzerland :145 / Abroad +41 (0)44 251 51 51

## **SECTION 2: Hazards identification \*\*\***

### **2.1. Classification of the substance or mixture**

Voluntary product information following the Safety Data Sheet format

This product is not classified hazardous in accordance with Regulation (EC) No 1272/2008.

### **2.2. Label elements**

#### **Labelling according to regulation (EC) No 1272/2008**

The product does not require a hazard warning label in accordance with Regulation (EC) No 1272/2008.

### **2.3. Other hazards**

No special hazards have to be mentioned.

The Substance does not meet PBT-criteria. This substance does not meet the vPvB-criteria. This substance does not have endocrine disrupting properties with respect to humans. This substance does not have endocrine disrupting properties with respect to non-target organisms.

## **SECTION 3: Composition/information on ingredients**

#### **Molecular weight**

Value 152.15 g/mol

#### **Further ingredients**

##### **Xylitol**

CAS No. 87-99-0

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Concentration &gt;= 95 %

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Advice: [4]

**Note**

[4] Voluntary information

**SECTION 4: First aid measures****4.1. Description of first aid measures****After inhalation**

Remove the casualty into fresh air and keep him calm. In the event of symptoms take medical treatment.

**After skin contact**

Remove contaminated, soaked clothing immediately and dispose of safely. Wash off immediately with soap and water and rinse well. Consult a doctor if skin irritation persists.

**After eye contact**

In case of contact with the eyes rinse thoroughly with plenty of water or with an eye-cleaning solution. Remove contact lenses. In case of irritation consult an oculist.

**After ingestion**

Let plenty of water be drunk in small gulps. Never give anything by mouth to an unconscious person. If individual is drowsy or unconscious place in recovery position (on left side, with head down). Seek medical advice immediately.

**4.3. Indication of any immediate medical attention and special treatment needed****Hints for the physician / treatment**

Symptomatic treatment (decontamination, vital functions), no specific antidote known.

**SECTION 5: Firefighting measures****5.1. Extinguishing media****Suitable extinguishing media**

Dry chemical extinguisher, Carbon dioxide, Water spray jet, Alcohol-resistant foam

**Non suitable extinguishing media**

Full water jet

**5.2. Special hazards arising from the substance or mixture**

In the event of fire the following can be released: Carbon monoxide (CO); Carbon dioxide (CO<sub>2</sub>); Forms explosive mixture with air are possible.

**5.3. Advice for firefighters****Special protective equipment for fire-fighting**

Use self-contained breathing apparatus. Use personal protective clothing. Do not inhale explosion and/or combustion gases.

**Other information**

Suppress vapours with water spray jet. Collect contaminated fire-fighting water separately, must not be discharged into the drains.

**SECTION 6: Accidental release measures****6.1. Personal precautions, protective equipment and emergency procedures**

Ensure adequate ventilation. Avoid breathing dust.

**6.2. Environmental precautions**

Do not discharge into the drains/surface waters/groundwater.

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### 6.3. Methods and material for containment and cleaning up

Take up mechanically and collect in suitable container for disposal. Clean contaminated surfaces thoroughly with water.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

#### Advice on safe handling

Provide good ventilation of working area (local exhaust ventilation if necessary). Avoid dust formation. Do not inhale dust. Avoid contact with skin and eyes.

### 7.2. Conditions for safe storage, including any incompatibilities

#### Recommended storage temperature

Value < 25 °C

#### Requirements for storage rooms and vessels

Keep tightly closed in a dry and cool place. Keep container tightly closed in a well-ventilated place. Keep only in original container.

#### Storage classes

Storage class according to TRGS 510	11	Combustible solids
Storage category (Switzerland)	NG	Other solid hazardous substances without classification/labelling hazardous

## SECTION 8: Exposure controls/personal protection \*\*\*

### 8.2. Exposure controls

#### General protective and hygiene measures

Observe the usual precautions for handling chemicals. Wash contaminated clothing before reuse. Wash hands and face before breaks and after work.

#### Respiratory protection

Breathing apparatus in the event of aerosol. Particle filter P2

#### Hand protection

The glove material must be sufficient impermeable and resistant to the substance. Check the tightness before wear. Gloves should be well cleaned before being removed, then stored in a well ventilated location.

Appropriate Material	nitrile rubber - NBR		
Material thickness	0.11	mm	
Breakthrough time	> 480	min	

Hand protection must comply with EN 374.

#### Eye protection

Safety glasses; Eye protection must comply with EN 166.

#### Body protection

Protective clothing; Clothing as usual in the chemical industry.

#### Environmental exposure controls

Do not allow to enter drains or water courses.

## SECTION 9: Physical and chemical properties \*\*\*

### 9.1. Information on basic physical and chemical properties

Physical state	Solid substance
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<b>Colour</b>	white
<b>Odour</b>	odourless
<b>Melting point</b>	
Value	92 to 96 °C
<b>Boiling point or initial boiling point and boiling range</b>	
Value	215 to 217 °C
<b>Upper and lower explosive limits</b>	
Remarks	Not applicable
<b>Flash point</b>	
Value	> 250 °C
<b>Decomposition temperature</b>	
Remarks	No decomposition if used as prescribed.
<b>pH value</b>	
Value	5.0 to 7.0
<b>Vapour pressure</b>	
Value	0.329 Pa
<b>Density and/or relative density</b>	
Value	1.515 g/cm <sup>3</sup>
Remarks	Relative Density according specification

**9.2. Other information****Solubility in water**

Value	642 g/l
Temperature	25 °C

**Other information**

Forms explosive mixture with air are possible.

**SECTION 10: Stability and reactivity \*\*\*****10.1. Reactivity**

No decomposition if stored and applied as directed.

**10.2. Chemical stability**

Stable under recommended storage and handling conditions (see section 7).

**10.3. Possibility of hazardous reactions**

No decomposition if stored and applied as directed.

**10.4. Conditions to avoid**

Protect from atmospheric moisture and water.

**10.5. Incompatible materials**

Strong oxidising agents

**SECTION 11: Toxicological information****11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008****Acute oral toxicity (Components)****Xylitol**

Species	rat
LD50	> 4000 mg/kg

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Source Literature value

**Acute dermal toxicity (Components)****Xylitol**

Remarks No data available.

**Acute inhalative toxicity (Components)****Xylitol**

Remarks No data available.

**Skin corrosion/irritation (Components)****Xylitol**Species rabbit  
evaluation non-irritant  
Source Literature value**Serious eye damage/irritation (Components)****Xylitol**Species rabbit  
evaluation slightly irritant  
Source Literature value**Sensitization (Components)****Xylitol**

Remarks No data available.

**Mutagenicity (Components)****Xylitol**

Remarks No information available.

**Carcinogenicity**

evaluation No negative effects

**Specific Target Organ Toxicity (STOT) (Components)****Xylitol**

Remarks No data available.

**11.2 Information on other hazards****Endocrine disrupting properties with respect to humans**

This substance does not have endocrine disrupting properties with respect to humans.

**Other information**

By appropriate use of the product no health damage is known.

**SECTION 12: Ecological information \*\*\*****12.1. Toxicity****Fish toxicity (Components)****Xylitol**Species Fathead minnow (*Pimephales promelas*)  
LC50 52000 mg/l  
Duration of exposure 48 h  
Source Literature value**Daphnia toxicity (Components)****Xylitol**Species Ceriodaphnia dubia  
LC50 48500 mg/l

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Duration of exposure 48 h  
Source Literature value

**Algae toxicity (Components)****Xylitol**

Species Algae  
EC50 75547 mg/l  
Duration of exposure 96 h

**12.2. Persistence and degradability****Biodegradability**

evaluation good degradability

**Biodegradability (Components)****Xylitol**

Remarks Not applicable

**12.5. Results of PBT and vPvB assessment****Results of PBT and vPvB assessment \*\*\***

The Substance does not meet PBT-criteria.  
This substance does not meet the vPvB-criteria.

**12.6 Endocrine disrupting properties****Endocrine disrupting properties with respect to the environment**

This substance does not have endocrine disrupting properties with respect to non-target organisms.

**12.7. Other adverse effects****General information / ecology**

There is no data available on the product apart from the information given in this subsection.

**SECTION 13: Disposal considerations****13.1. Waste treatment methods****Disposal recommendations for the product**

Disposal in compliance with local and national regulations.

**Disposal recommendations for packaging**

Contaminated packaging should be emptied as far as possible and after appropriate cleansing may be taken for reuse.

**SECTION 14: Transport information**

	Land transport ADR/RID	Marine transport IMDG/GGVSee	Air transport ICAO/IATA
14.1. UN number	The product does not constitute a hazardous substance in land transport.	The product does not constitute a hazardous substance in sea transport.	The product does not constitute a hazardous substance in air transport.

**SECTION 15: Regulatory information \*\*\*****15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture**

**Water Hazard Class (Germany) \*\*\***

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Water Hazard Class  
(Germany)  
Remarks

WGK 1

Derivation of WGK according to Annex 1 No. 5.2 AwSV

**SECTION 16: Other information****Supplemental information**

Relevant changes compared with the previous version of the safety data sheet are marked with: \*\*\*  
This information is based on our present state of knowledge. However, it should not constitute a guarantee for any specific product properties and shall not establish a legally valid relationship.