18.08.2025

Safety information sheet

Version: 1.0 EN

Xylitol, E 967

Article number: D10446

This document has been prepared as a communication tool to inform downstream users about both the status of the substance under REACH and CLP, some of its essential properties and the guidance on safe use. An extended safety data sheet (SDS) is not required for this substance under Article 31 of REACH Regulation (EC) No 1272/2008, including the amending Regulation (EU) 2020/878. As a result, the format and content of this document does not comply with the framework for safety data sheets set out in Commission Regulation (EU) No 453/2010 amending Regulation (EC) No 1907/2006.

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1 Identification of the substance/mixture and the company

1.1 Product identifier

Name	Xylitol, E967
CAS number	87-99-0
EC number	201-788-0
REACH registration	01-211998570-0-33-xxxx

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

Description/use	Xylitol is used as a tooth-friendly, low-calorie sweetener in dietary supplements, dry mixes, foods and beverages. It has a similar sweetness to sugar, but has a lower calorific value and is also suitable for diabetics. For further information on specific applications, please contact us at the telephone number provided – we will be happy to put you in touch with the relevant specialist department.

1.3 Details of the supplier providing the safety information sheet

Company	DistrEbution GmbH
Adress	Brookdeich 40 21029 Hamburg Germany
Telephone	+49 40 609 2387 60
E-Mail	info@distrebution.com

1.4 Emergency number

+49 40 609 2387 60 (Business hours: Mon - Thu: 8 a.m.- 5 p.m. / Fri: 8 a.m. – 4 p.m.)

2 Potential hazards

2.1 Classification oft he substance or mixture

Not classified according to Chemicals Regulation (EC) Nr.1272/2008.

2.2 Label elements

Not subject to classification according to Regulation (EC) No 1272/2008.

2.3 Other hazards

May form flammable dust-air mixtures. The components in this formulation do not meet the criteria for classification as PBT or vPvB.

3 Composition/information on ingredients

Chemical characterization:	Xylitol, E 967
CAS number	87-99-0
EC number	201-788-0
REACH registration	01-211998570-0-33-xxxx
Hazardous ingredients	-
Nanoparticles	No nanoparticles according to Regulation (EU) 2018/1881

4 First-aid measures

4.1 Description of first-aid measures

In case of emergency, seek medical assistance. The safety data sheet must be presented to the attending physician.

After eye contact

Rinse carefully with water for several minutes. Remove contact lenses, if present and easy to do so. Continue rinsing. If irritation persists, seek medical advice.

After skin contact

Wash thoroughly with plenty of soap and water. If skin irritation occurs: seek medical advice.

Inhalation or ingestion

Move the person to fresh air and ensure calm breathing. In case of respiratory symptoms: contact a doctor or poison control centre. Never administer anything by mouth to an unconscious person. Rinse mouth with water and drink plenty of water. In case of discomfort: seek medical attention.

4.2 Most important symptoms and effects, both acute and delayed

Medical attention is required if irritation or other symptoms occur.

4.3 Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

5 Firefighting measures

5.1 Eytinguishing agents

Suitable extinguishing agents

Foam, dry extinguishing agent, carbon dioxide (CO2), water mist

Unsuitable extinguishing agents

Water jet

5.2 Special hazards arising from the substance or mixture

Finely dispersed dust can form an explosive dust-air mixture in air at sufficient concentration and with an ignition source.

Hazardous decomposition products: Smoke formation.

5.3 Advice fo firefighters

Protective equipment for firefighters

Wear self-contained breathing apparatus (SCBA) and fire-resistant protective clothing.

6 Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Avoid dust deposits, as these can form an explosive dust-air mixture in sufficient concentrations. Prevent dust from being stirred up (e.g. do not use compressed air for cleaning). Wear personal protective equipment in accordance with Section 8. Avoid slipping due to dust.

6.2 Environmental precautions

Thoroughly clean contaminated areas and objects, observing the applicable environmental regulations. Prevent penetration into waterways or drains

6.3 Methods and material for containment and cleaning up

Sweep up and collect in suitable, sealed containers and dispose of in accordance with local regulations. Avoid dust formation. Use suitable industrial vacuum cleaners for combustible dusts and potentially explosive areas.

6.4 Reference to other sections

See section 7 for information on safe handling.

See section 8 for information on personal protective equipment.

See section 13 for information on disposal.

7 Handling and storage

7.1 Precautions for safe handling

Avoid dust and aerosol formation. Avoid contact with eyes, skin and clothing. Avoid dust deposits and accumulations. Use non-sparking tools and take measures against electrostatic discharges. Work should be carried out in accordance with proven safety standards (e.g. NFPA-654). Ensure good ventilation. Wear suitable protective gloves and eye/face protection.

7.2 Conditions for safe storage, including any incompatibilites

Store only in the original container. Keep container tightly closed and store in a dry, cool and well-ventilated place. Keep away from foodstuffs and incompatible materials.

7.3 Specific end uses

See section 1 for further information.

8 Exposure controls/personal protective equipment

8.1 Parameters to be monitored

No information available.

8.2 Limitation and monitoring of exposure

8.2.1 Apprpriate engineering controls

Ensure adequate ventilation. Avoid dust and aerosol formation. Handling should be carried out in accordance with the principles of good occupational hygiene and safety precautions. Keep emergency exits and hazard prevention measures ready..

8.2.2 Personal protective equipment

Respiratory protection

If exposure limits are exceeded or irritation occurs, use NIOSH/MSHA or EN 136-approved respiratory protective equipment.

Hand protection

Wear protective gloves. Check for damage before use. The selected gloves must comply with the requirements of EU Directive 89/686/EEC and standard EN 374.

Eye protection

Wear safety goggles with side protection or tightly fitting safety goggles in accordance with EN 166 (EU) or NIOSH (USA).

Other protective measures

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9 Physical and chemical properties

9.1 Information on basic physical and chemical properties

Form	Solid powder
Colour	White to creamy white
Odour	Odourless
pH value	5.0 – 7.0
Melting point	92 – 96°
Boiling point	215 – 217°C
Flash point	> 250°C
Evaporation rate	No data available
Flammability	No data available
Lower explosion limit	No data available
Upper explosion limit	No data available
Vapour pressure	0.329 Pa
Relative density	1.515 g/cm3
Bulk density	1.515 g/cm3
Water solubility	642 g/L at 25°C
Partition coefficient	No data available
n-octanol/water (log value)	No data available
Decomposition temperature	No data available
Auto-ignition temperature	No data available

Kinematic viscosity	No data available
Dynamic viscosity	Not applicable
Particle size/distribution	Solid powder

9.2 Other information

Molecular weight	152.15 g/mol
VOC content	No data available
Explosive properties	No data available
Oxidising properties	No data available
Sensitivity to mechanical stress	No
Other safety-related properties	No information available

10 Stability and reactivity

10.1 Reactivty

Not reactive under normal processing conditions.

10.2 Chemical stability

Stable under normal storage and handling conditions.

- Sensitivity to mechanical stress: No
- Sensitivity to electrostatic discharge: Yes

10.3 Possibility of hazardous reactions

Not expected under normal processing conditions. Hazardous polymerisation does not occur.

10.4 Conditions to avoid

Avoid heat, open flames and sparks. May form explosive dust-air mixtures when dust is generated.

10.5 Incompatible materials

Keep away from heat sources, flames and sparks.

10.6 Hazardous decomposition products

No data available

11 Toxicological information

11.1 Information on hazard classes according to Regulation (EC) No. 1272/2008

Acute oral toxicity	No data available
Acute dermal toxicity	No data available
Acute inhalation toxicity	No data available
Skin corrosion/irritation	No data available

Serious eye damage/irritation	No data available
Respiratory or skin sensitization	No data available
Germ cell mutagenicity	No data available
Carcinogenicity	No data available
Reproductive toxicity	No data available
Specific target organ toxicity (single exposure)	No data available
Specific target organ toxicity (repeated exposure)	No data available
Aspiration hazard	No data available

11.1.1 Classification of ingredients based on available data on the ingredients

Acute toxicity

- Oral LD50 (rabbit): > 2000 mg/kg
- Oral LD50 (dog): > 640 mg/kg
- Dermal LD50: No data available
- Inhalation LC50: No data available

Eye irritation: May cause slight irritation (rabbit)

Skin irritation: May cause slight irritation (rabbit)

Respiratory irritation: Not expected

Sensitisation: Not expected

Reproductive toxicity: Not expected

Mutagenicity:

- OECD Test No. 471 (Bacterial Reverse Mutation Test): Negative
- OECD Test No. 474 (Mammalian Erythrocyte Micronucleus Test): Negative

Systemic toxicity:

- Subchronic oral toxicity: NOAEL (No observed adverse effect level) = 20,000 mg/kg/day

Carcinogenicity: Not carcinogenic (NOAEC ≈ 3.5 mg/l)

Teratogenicity: NOAEL = 6770 mg/kg bw/day

11.2 Information on other hazards

Endocrine disrupting properties

No data available

Further information

No data available

12 Environmental information

12.1 Toxicity

No data available

12.2 Persistence and degradability

No data available

12.3 Bioaccumulatiove potential

No data available

12.4 Mobility in soil

No data available

12.5 Results of the PBT and vPvB assessment

No data available

12.6 Endocrine-disrupting properties

No data available

12.7 Other harmful effects

No data available

13 Disposal instructions

13.1 Waste treatment methods

Product disposal

Dispose of waste in an approved waste disposal facility. Dispose of contents and container in accordance with local, regional, national and international regulations.

Disposal of packaging

Dispose of empty containers and waste safely. Dispose of waste or used containers in accordance with local regulations.

14 Transport information

14.1 Transport ADR/RID/ADN

No data available

14.2 Transport IMDG

No data avaliable

14.3 Transport ICAO-TI / IATA

No data available

14.4 Packing group

No data available

14.5 Environmental hazards

No data available

14.6 Special precautions for user

No data available

14.7 Transport in bulk by sea according to IMO regulations

No data available

15 Legislation

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

Water hazard class (WGK): 1 (slightly hazardous to water)

Authorisation and restriction information:

- This substance does not contain any substances subject to authorisation in accordance with Regulation (EC) No. 1907/2006 (REACH), Annex XIV.
- This substance does not contain any substances that are subject to restriction in accordance with Regulation (EC) No. 1907/2006 (REACH), Annex XVII.

Inventory and listing status (xylitol):

- AICS: listed
- DSL/NDSL: listed
- EINECS/ELINCS: listed
- ENCS: listed
- IECSC: listed
- KECL: listed
- PICCS: listed

15.2 Chemical safety assessment

No substance safety assessment has been carried out for this substance.

16 Other information

16.1 Abbreviations and acronyms

ADR – European Agreement concerning the International Carriage of Dangerous Goods by Road

RID – Regulations concerning the International Carriage of Dangerous Goods by Rail

IMDG – International Maritime Dangerous Goods Code

IATA – International Air Transport Association

GHS – Globally Harmonised System of Classification and Labelling of Chemicals

EINECS – European Inventory of Existing Commercial Chemical Substances

CAS – Chemical Abstracts Service

EC50 – Effective concentration, 50%

LC50 – Lethal concentration, 50%

LD50 – Lethal dose, 50%

TWA – Time Weighted Average

STEL – Short Term Exposure Limit

PBT – Persistent, bioaccumulative and toxic

vPvB – Very persistent and very bioaccumulative

16.2 SVHC

The substances on the ECHA list (http://echa.europa.eu/en/candidate-list-table) are neither expected to be present in our products nor are they intentionally used in the production process. Our products do not come into contact with these substances during production. However, it is not possible to completely rule out traces of these substances: due to natural impurities or raw material-related properties, an unintentional content of less than 0.1% cannot be completely ruled out.

16.3 Note for users

The information in this data sheet is based on our current knowledge at the time of the last revision. The user is responsible for checking the suitability and completeness of the information in relation to the specific use of the product.

This document does not constitute a guarantee for specific properties of the product. As we have no direct influence on the use of the product, the user is obliged to comply with all applicable laws, regulations and safety and hygiene provisions on his own responsibility. We accept no liability for improper use. Personnel entrusted with the handling of chemicals must be appropriately trained.