



Date: 14.09.2015

Version: 1.0

Material Safety Data Sheet
according to Regulation (EC) No. 1907/2006

XYLITOL

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

1.1 Product identifier

Trade name : Xylitol

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

Use of the
Substance/Mixture : Cosmetic additive

1.3 Details of the supplier of the safety data sheet

Company : Elemental SRL Piata Cazarmii 15 Oradea, BH, România

Telephone : +40259-436.755
Telefax : +40259-436.755
E-mail address : office@elemental.eu

1.4 Emergency telephone number

Emergency telephone : +40259-436.755

2. Hazards Identification

Hazardous overview: Xylitol is Slightly hazardous in case of inhalation, skin contact, ingestion or eye contact.

Contact with eyes: May cause eye irritation.

Contact with skin: May cause skin irritation.

Ingestion: May cause irritation of the digestive tract.

Inhalation: May cause respiratory tract irritation.

Other: Not Applicable

3. Composition

Xylitol: ≥98.5%

4. First Aid Measures

Contact with eyes: Flush immediately with plenty of water for 15 minutes and seek medical advice

Contact with skin: Wash the affected area with water, remove contaminated clothing and laundry before re-use. Seek medical advice if irritation develops or persists.

Ingestion: Rinse mouth thoroughly with water and drink water afterwards.

Inhalation: Remove from exposure, move to fresh air and seek medical advice immediately.

5. Fire and Explosion Data

General information: May be combustible at high temperature.

Flash point: Not Applicable

Ignition control: Avoid ignition sources where Xylitol dust might be generated

Dust control: Keep the handling area with adequate ventilation

Extinguishing Media: Not applicable



Material Safety Data Sheet

according to Regulation (EC) No. 1907/2006

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures
Avoid dust formation. Avoid breathing vapours, mist or gas.
Environmental precautions: Do not let product enter drains.
Methods and materials for containment and cleaning up
Spills/Leaks: Vacuum or sweep up material and place into a suitable disposal container

7. Handling/Storage

Storage: Kept in dry, cool, and shaded place with original packaging, avoid moisture, store at room temperature.
Handling precaution: Keep away from heat. Keep away from sources of ignition. Empty containers pose a fire risk, evaporate the residue under a fume hood. Ground all equipment containing material. Do not ingest. Do not breathe dust.

8. Exposure Control

Engineering Controls: Safety shower and eye bath. Provide exhaust ventilation or other engineering controls to keep the airborne concentrations below their respective threshold limit value.
Respiratory protection: NIOSH/MSHA or European Standard EN 149 approved respirator
Eye Protection: Protective eyeglasses or chemical safety goggles
Skin Protection: Wear appropriate protective gloves and clothes to minimize skin contact.
Other: Consult professionals if Xylitol need to be handled under some special conditions.

9. Physical/Chemical Characteristics

Physical State: Solid
Appearance: WHITE CRYSTALS
Odor: Odorless
pH: Not available
Melting point/range: 92–96 °C
Boiling point: 216 °C
Bulk density: 1.52 g/cm³
Solubility: ~ 1.5 g/mL in water

10. Stability/Reactivity

Chemical Stability: Stable under normal temperatures and pressures
Hazardous decomposition: Carbon oxides (CO, CO₂)
Hazardous polymerization: Will not occur
Incompatible with: Not available

11. Toxicological information

This product is considered non-toxic under normal usage conditions.
Acute toxicity: No data available
Skin corrosion/irritation: No data available
Serious eye damage/eye irritation: No data available
Respiratory or skin sensitisation: No data available
Germ cell mutagenicity: No data available

12. Ecological Information

Xylitol is fully biodegradable and the products of degradation are not toxic.



Material Safety Data Sheet
according to Regulation (EC) No. 1907/2006

13. Disposal consideration

Offer surplus and non-recyclable solutions to a licensed disposal company.

14. Transport Information

No special requirements and no restrictions on transportation by land, sea or air.

15. Regulatory information

Safety, health and environmental regulations/legislation specific for the substance or mixture: No data available
Chemical Safety Assessment: For this product a chemical safety assessment was not carried out

16. Other Information

This material safety data sheet does not constitute a guarantee of the properties of the product and is not a contractual legal report. The information is given in good faith on the basis of our best knowledge of the product at the indicated time. However, we cannot accept responsibility or liability for any consequences arising from its use, no warranty for correctness and completeness is given. We caution the users against the incurred possible risks when the product is used at other ends than the use for which it was initially planned. It is the user's responsibility during handling, storage and product use to consult the main regulatory texts in force regarding workers and environment protection.