



Vioferm Sorbitol powder

1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND THE COMPANY/UNDERTAKING

A) Product identifier:

- Chemical name: D-Sorbitol
- Chemical formula: C₆H₁₄O₆
- Synonyms:
- REACH Reg. # (a):

(a): If REACH registration numbers do not appear, the substance is exempt from registration.

B) Relevant identified uses of the substance or mixture:

- Use of the Substance/Mixture:

General use in following sectors: Food and nutritional, Animal feed, Pharmaceutical, Cosmetics, Chemicals, Industrial and Non-food

C) Details of the supplier of the safety data sheet:

- Company identification: See footer
- Email address see footer
- Telephone number: See footer
- Emergency phone number: +32070245245

2. HAZARDS IDENTIFICATION

A) Classification according to CLP Regulation (EC)1272/2008:

The substance does not fulfil classification criteria of the CLP Regulation.

The substance is not classified as dangerous under anticipated conditions of normal use.

B) Label elements according to CLP Regulation (EC)1272/2008:

Not applicable.

C) Classification according to Directive 67/548/EC:

- General Not classified as dangerous under anticipated conditions of normal use.
- Inhalation: Product can produce a nuisance dust which should be maintained below a time weighted average of 10 mg/m³ (ACGIH TLV)
- Skin contact: Repeated or prolonged skin contact may result in mild irritation.
- Eye contact: Particulates may scratch eye surfaces and cause mechanical irritation.
- Ingestion: Ingestion may cause irritation of the gastrointestinal track.

3. COMPOSITION/INFORMATION ON INGREDIENTS

- Substance/Mixture: Substance
- Components: Sorbitol
- EINECS/ELINCS Number: 200-061-5
- CAS number: 50-70-4
- Concentration (Volume): See product specification sheet for detailed information.
- Classification (Directive): Not classified as dangerous.
- Classification (CLP): Not classified as dangerous.

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**4. FIRST AID MEASURES**

- General advise: Seek medical attention if irritation develops after first aid application
- Inhalation: Move people from the exposure to fresh air.
- Skin contact: Wash skin with soap and water.
- Eye contact: Remove particulates by irrigating with eye wash solution or clean water, holding eyelids apart.
- Ingestion: Wash mouth and flush throat upto the stomach.

5. FIRE-FIGHTING MEASURES

No special procedures are required.

- Extinguishing media: Carbon dioxide, dry chemicals, foam, water spray (fog).

6. ACCIDENTAL RELEASE MEASURES

- Personal precautions: None under normal conditions. Avoid prolonged inhalation of dust.
 - Environmental precautions: Biodegradable, increases BOD & COD (see point 12).
 - After spillage / leakage: Sweep or shovel spills into appropriate container for disposal.
- Avoid making dust. Vacuum with explosion proof vacuum cleaner. Can be hosed down in normal sewage serviced by a waste water treatment plant. Risk of deposits of suspended product.

7. HANDLING AND STORAGE

- Handling: Use care to minimise dust generation; avoid dispersing the powder in the air. Prevent build up of powder on surfaces; excess dust should be removed by extraction. Avoid static electricity: all handling equipment must be properly grounded.
- Storage: Store in a clean, dry, well ventilated area. Prevent heat contact, smoking, welding or open flame in the storage area.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

- Respiratory protection: Dust mask is recommended.
- Eye protection: Safety glasses are recommended.
- Hand protection: Gloves are recommended due to possible irritation.
- Skin protection: Coveralls should be worn to minimize the possible skin contact surface.

9. PHYSICAL AND CHEMICAL PROPERTIES

- Melting point (°C): ± 90
- Physical state at 25 °C: Odourless to slightly acid, white to off-white powder.
- Thermal decomposition (°C): ± 200 °C
- Solubility in water: Soluble in hot water
- Bulk density See Product Specification for values.
- pH value See Product Specification for values.

10. STABILITY AND REACTIVITY

- Stability: Product does not undergo spontaneous decomposition, is stable.
- Hazardous properties Potential dust explosion hazard.
 - > St-Class 1
 - > P-Max (bar.g) 6.6
 - > Kst value (bar.m/s) 112
 - > LEL (g/m³) 50
 - > MIE (mJ) 80

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**10. STABILITY AND REACTIVITY (CONT.)**

- > MIT (°C) 440
- > LIT (°C) > 400
- Hazardous decomposition products: Burning can produce CO and CO₂.
- Materials to avoid: Avoid strong acids and alkali; oxidizing and reducing agents.
- Conditions to avoid: Avoid making dust.

11. TOXICOLOGICAL INFORMATION

- Rat oral LD₅₀ (g/kg) > 18
- Carcinogenicity: Not classifiable as Carcinogen.
- Epidemiology, Teratogenicity: No information available.
- Reproductive effects: No information available.
- Neurotoxicity: No information available.
- Other studies: Excessive consumption may cause laxative effects.

12. ECOLOGICAL INFORMATION

No environmental hazard nor adverse effect known of this product. Readily biodegradable.

- COD (mg O₂/g ds): ±1140
- BOD (mg O₂/g ds): ± 200
- WGK class (Germany): Not dangerous when coming in contact with water.

13. DISPOSAL CONSIDERATIONS

- Waste disposal procedure Send to landfill or incinerate. Federal state or local regulations should be observed.

14. TRANSPORTATION INFORMATION

Not classified as dangerous.

15. REGULATORY INFORMATION

- Labelling according to CLP See point 2: Hazards identification Regulation (EC)1272/2008:
- Labelling according to EC See point 2: Hazards identification Directive 67/548/EC:

16. OTHER INFORMATION

This Safety Data Sheet has been established in accordance with the applicable European Directives and applies to all countries that have translated the Directives in their national laws. Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC. (version 12.12.2011)

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