

007.001.1 – 007.005.2 Vinoferm<sup>®</sup> Glucose

# **1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND THE COMPANY/UNDERTAKING A)** Product identifier:

- Chemical name: D-Glucose monohydrate
- Chemical formula: C6 H14 O7
- 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 header
- Email address Technical groupsafetymanager@tereos.com
- information:
- Telephone number: See header
- Emergency phone number (24h): 00 32 16 270 973

#### 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/m<sup>3</sup> (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: D-Glucose monohydrate
- EINECS/ELINCS Number: 200-075-1 (anhydrous dextrose)
- CAS number: 14431-43-7
- Concentration (Volume): See product specification sheet for detailed information.
- Classification (Directive): Not classified as dangerous.
- Classification (CLP): Not classified as dangerous.

# **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.

#### Brouwland

Korspelsesteenweg 86 • B-3581 Beverlo - Belgium Tel. +32-(0)11-40.14.08 • Fax. +32-(0)11-34.73.59 sales@brouwland.com • www.brouwland.com



007.001.1 – 007.005.2 Vinoferm<sup>®</sup> Glucose

# **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): + /- 86
- Physical state at 25 °C: Odourless to slightly acid, white to off-white powder.
- Thermal decomposition (°C): + /- 146
- 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) 5
- --> Kst value (bar.m/s) 50
- --> LEL (g/m<sup>3</sup>) 50
- --> MIE (mJ) 100
- --> MIT (°C) 300
- --> LIT (°C) melts
- 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.





007.001.1 – 007.005.2 Vinoferm<sup>®</sup> Glucose

#### **11. TOXICOLOGICAL INFORMATION**

- LD50 / LC50: Not available
- Carcinogenicity: Not classifiable as Carcinogen.
- Epidemiology, Teratogenicity: No information available.
- Reproductive effects: No information available.
- Neurotoxicity: No information available.
- Other studies: None

#### **12. ECOLOGICAL INFORMATION**

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

- COD (mg O2/g ds): + /- 1100
- BOD (mg O2/g ds): + /- 700
- 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
Regulation (EC)1272/2008: See point 2: Hazards identification
Labelling according to EC
Directive 67/548/EC: See point 2: Hazards identification

#### **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 (EC) No 793/93 and Commission Regulation (EC) No 1488/94 as w ell as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC.

#### DISCLAIMER OF LIABILITY

The information in this MSDS is collected from reliable sources. However, the information is provided without any warranty, expressed or implied. The conditions or methods of handling, storage, use or disposal of the product might be beyond our control and knowledge. For the avoidance of doubt, we shall in no such circumstances be under any liability in respect of loss, damage or expenses arising from handling, storage, use or disposal of the product by your company and/or your subcontractors. This MSDS is only applicable for the product mentioned in the identification chapter and title. If the product is used as a component in another product, this MSDS may not be applicable on the composite material.