

Material Safety Data Sheet**MERITOSE 200****1. Identification**

Chemical name	D-Glucose monohydrate
CAS number	50-99-7
EINECS number	200-075-1
Company identification	See header
Emergency phone nr	00 32 16 270 973

2. Information on ingredients

Composition	No components which pose a risk. See Product Specifications for details on product composition.
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3. Hazards identification

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 ³ (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.

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
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Environmental precautions
After spillage / leakage

dust.
Biodegradable, increases BOD & COD (see point 12).
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
- Eye protection
- Hand protection
- Skin protection

Dust mask is recommended.
Safety glasses are recommended.
Gloves are recommended due to possible irritation.
Coveralls should be worn to minimize the possible skin contact surface.

9. Physical and chemical properties

Melting point (°C)
Physical state at 25 °C
Thermal decomposition (°C)
Solubility in water
Bulk density
pH value

+/- 86
Odourless to slightly acid, white to off-white powder.
+/- 146
Soluble in hot water
See Product Specification for values.
See Product Specification for values.

10. Stability and reactivity

Stability

Product does not undergo spontaneous decomposition, is stable.

Hazardous properties
- St-Class

Potential dust explosion hazard.
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- P-Max (bar.g)	5
- Kst value (bar.m/s)	50
- LEL (g/m ³)	50
- MIE (mJ)	100
- MIT (°C)	300
- LIT (°C)	melts
Hazardous decomposition products	Burning can produce CO and CO ₂ .
Materials to avoid	Avoid strong acids and alkali; oxidizing and reducing agents.
Conditions to avoid	Avoid making dust.

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 O ₂ /g ds)	+/- 1100
- BOD (mg O ₂ /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

Product not classified as dangerous in accordance with Directives 67/548/EC and 99/45/EC and later amendments.

The content and format of this MSDS are in accordance with Regulation (EC) No 1907/2006 of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH).

The information in the MSDS is provided for health, safety and environmental assessment by a professional user. This information does not warrant suitability for buyer's uses.

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Material Safety Data Sheet**MERITOSE 200****16. Other information**

Given the fact that the product is not classified as dangerous good, reference is made to the Product Specification for composition and specific physical and chemical properties.

MSDS responsible : groupsafetymanager@syral.com

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