

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

1.1. Product identifier

Trades name : GLUCOSE MONOHYDRATE
Trades code : 1216
Chemical Name: GLUCOSE MONOHYDRATE

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

Substance
Public domain (administration, education, entertainment, services, craftsmen)

Uses advised against
None in particular.

1.3. Details of the supplier of the safety data sheet

FARMALABOR SRL
VIA POZZILLO, ZI 76012 CANOSA DI PUGLIA (BT)
tel. 0883611301
fax. 0883666140
e-mail: info@farmalabor.it

1.4. Emergency telephone number

Centro Antiveneni Ospedale Niguarda (MI) - 0266101029 24 ore su 24

2. Hazards identification

2.1. Classification of the substance or mixture

CAS 5996-10-1

Classification according to Regulation (EC) No 1272/2008:
Nonhazardous.

Classification according to Directive 67/548/EEC:

Classification:
Nonhazardous.

Nature of special risks attributed:
None in particular.

2.2. Label elements

Pictogram, Signal Word Code(s):
None.

Hazard statement Code(s):
Nonhazardous

Precautionary statements:
None in particular.

2.3. Other hazards

No information on other hazards.

3. Composition/information on ingredients

3.1. Composition/information on ingredients

No substance to signal.

4. First aid measures

4.1. Description of first aid measures

Inhalation:

Air the area. Remove immediately the contaminated patient from the area and keep him at rest in a well ventilated area. If you feel unwell seek medical advice.

Direct contact with skin (of the pure product):.

Wash thoroughly with soap and running water.

Direct contact with eyes (of the pure product):.

Wash immediately and thoroughly with running water for at least 10 minutes.

Ingestion:

Not hazardous. It's possible to give activated charcoal in water or liquid paraffin medicine.

4.2. Most important symptoms and effects, both acute and delayed

No data available.

4.3. Indication of any immediate medical attention and special treatment needed

No data available.

5. Firefighting measures

5.1. Extinguishing media

Advised extinguishing agents:

Water spray, CO₂, foam, dry chemical, depending on the materials involved in the fire.

Extinguishing means to avoid:

Water jets. Use water jets only to cool the surfaces of the containers exposed to fire.

5.2. Special hazards arising from the substance or mixture

No data available.

5.3. Advice for firefighters

Use protection for the breathing apparatus.

Safety helmet and full protective suit.

The spray water can be used to protect the people involved in the extinction.

You may also use selfrespirator, especially when working in confined and poorly ventilated spaces and in any case if you use halogenated extinguishers (Halon 1211 fluobrene, Solkan 123, NAF, etc...).

Keep containers cool with water spray.

6. Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

For non-emergency personnel:

Leave the area surrounding the spill or release. Do not smoke.

Wear gloves and protective clothing.

For emergency responders:

Wear gloves and protective clothing.

Eliminate all unguarded flames and possible sources of ignition. No smoking.

Provision of sufficient ventilation.

Evacuate the danger area and, in case, consult an expert.

6.2. Environmental precautions

Contain spill.

Inform the competent authorities.

Discharge the remains in compliance with the regulations.

6.3. Methods and material for containment and cleaning up

Recover the product for reuse, if possible, or the removal.

After wiping up, wash with water the area and materials involved.

6.4. Reference to other sections

Refer to paragraphs 8 and 13 for more information.

7. Handling and storage

7.1. Precautions for safe handling

Avoid contact and inhalation of vapors. See also paragraph 8 below.

At work do not eat or drink.

7.2. Conditions for safe storage, including any incompatibilities

Keep in original container closed tightly. Do not store in open or unlabeled containers.

Keep containers upright and safe by avoiding the possibility of falls or collisions.

Store in a cool place, away from sources of heat and direct exposure of sunlight.

7.3. Specific end use(s)

Public domain (administration, education, entertainment, services, craftsmen):

No data available.

8. Exposure controls/personal protection

8.1. Control parameters

No data available.

8.2. Exposure controls

Appropriate engineering controls:

Public domain (administration, education, entertainment, services, craftsmen):

Observe the usual safety measures.

Individual protection measures:

(a) Eye / face protection

Not needed for normal use.

(b) Skin protection

(i) Hand protection
Not needed for normal use.

(ii) Other
Wear normal work clothing.

(c) Respiratory protection
Not needed for normal use.

(d) Thermal hazards
No hazard to report.

Environmental exposure controls:
Minimize product release in the environment.

9. Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical and chemical properties	Value	Determination method
Appearance	white powder	
Odour	neutral	
Odour threshold	not determined	
pH	4-6	
Melting point/freezing point	not determined	
Initial boiling point and boiling range	not determined	
Flash point	380 °C	ASTM D92
Evaporation rate	irrelevant	
Flammability (solid, gas)	not determined	
Upper/lower flammability or explosive limits	not determined	
Vapour pressure	not determined	
Vapour density	not determined	
Relative density	0.62 kg/l	
Solubility	soluble in water	
Water solubility	soluble (approx. 1000 g/l)	
Partition coefficient: n-octanol/water	not determined	
Auto-ignition temperature	not determined	
Decomposition temperature	not determined	
Viscosity	not determined	
Explosive properties	not determined	
Oxidising properties	not determined	

9.2. Other information

No data available.

10. Stability and reactivity

10.1. Reactivity

No reactivity hazards.

10.2. Chemical stability

Stable under normal conditions of use.

10.3. Possibility of hazardous reactions

There are no hazardous reactions.

10.4. Conditions to avoid

Mixtures of dust and air.

10.5. Incompatible materials

Strong oxidizing agents.

10.6. Hazardous decomposition products

Carbon monoxide and carbon dioxide, water and oxygen.

11. Toxicological information

11.1. Information on toxicological effects

No data available.

12. Ecological information

12.1. Toxicity

Minimize product release in the environment.

12.2. Persistence and degradability

No data available.

12.3. Bioaccumulative potential

No data available.

12.4. Mobility in soil

No data available.

12.5. Results of PBT and vPvB assessment

Chemical safety report is not required.

12.6. Other adverse effects

No adverse effects found.

13. Disposal considerations

13.1. Waste treatment methods

Do not reuse empty containers. Dispose of them in accordance with the regulations in force. Any remaining product should be disposed of according to applicable regulations by addressing to authorized companies. Recover if possible. Operate in accordance with current local or national provisions.

14. Transport information

14.1. UN number

Not falling within the scope of EU Directive 96/86/EC and implemented by the Italian legislation concerning the transport of dangerous goods by road (ADR).

14.2. UN proper shipping name

None.

14.3. Transport hazard class(es)

None.

14.4. Packing group

None.

14.5. Environmental hazards

None.

14.6. Special precautions for user

No data available.

14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

It is not intended to carry bulk.

15. Regulatory information

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

No data available.

15.2. Chemical safety assessment

The supplier did not have made a chemical safety assessment.

16. Other information

16.1. Other information

Main instruments:
Dir. 1999/45/EC



SAFETY DATA SHEET

GLUCOSE MONOHYDRATE

Issued on 19/03/2013 - Rel. # 1 on 19/03/2013

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In conformity to Regulation (EC) No 453/2010 of 20 May 2010

Dir. 2001/60/EC
Reg. 2008/1272/EC
Reg. 2010/453/EC
