



SAFETY DATA SHEET

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Revised edition no : 1

Date : 3 / 8 / 2011

Supersedes : 13 / 5 / 2011

D-Glucose monohydrate**G0802**

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

1.1. Product identifier

Identification of the product : Raw material
Product code : G0802
Trade name : D-Glucose monohydrate
CAS number : CAS No : 005996-10-1

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

Use : For professional use only.
Duchefa Biochemie B.V. products are only intended for in vitro laboratory research purposes.

1.3. Details of the supplier of the safety data sheet

Company identification : Duchefa Biochemie B.V.
A. Hofmanweg 71
2031 BH Haarlem The Netherlands
Tel: +31(0)23-5319093
Fax: +31(0)23-5318027
E-mail:info@duchefa.nl

1.4. Emergency telephone number

Emergency phone nr : Tel: (+31)-(0)23-5319093 (local time : 9.00 to 17.00)
National Poison Information Centre :Europe NL : +31 30 274 88 88
(this service is only available to health professionals)
See www.who.int/ipcs/en/ for a local poison centre

SECTION 2 Hazards identification

2.1. Classification of the substance or mixture

Classification EC 67/548 or EC 1999/45

Hazard Class and Category Code Regulation EC 1272/2008 (CLP)

: Not regulated.

2.2. Label elements

Labelling EC 67/548 or EC 1999/45

• Symbol(s) : None.

Labelling Regulation EC 1272/2008 (CLP)

• Hazard pictograms code : ---

• Precautionary statements

2.3. Other hazards

None under normal conditions.

SECTION 3 Composition/information on ingredients

Components : This product is not hazardous.

Substance name	Contents	CAS No	EC No	Annex No	Ref REACH	Classification
D-Glucose monohydrate	: > 99.5 %	5996-10-1	200-075-1	----	----	-----

Structural formula C₆H₁₂O₆.H₂O

Molecular weight (g/mol) 198.2

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SECTION 4 First aid measures

4.1. Description of first aid measures

- Inhalation : Remove victim to fresh air.
- Skin contact : Wash skin with mild soap and water.
- Eye contact : Rinse with water.
- Ingestion : Rinse mouth.

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

Symptoms and effects, both acute and delayed : No data available.

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

Medical attention and special treatment needed : No data available.

SECTION 5 Fire-fighting measures

5.1. Extinguishing media

- Suitable extinguishing media : Water spray.
Foam.
Carbon dioxide (CO₂).
Dry powder.

5.2. Special hazards arising from the substance or mixture

Carbonoxide.

5.3. Advice for fire-fighters

- Protection against fire : Wear proper protective equipment.
- Special procedures : Avoid (reject) fire-fighting water to enter environment.

SECTION 6 Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Dust and/or fine particles, minimize inhalation exposure.
Wear suitable protective clothing.

6.2. Environmental precautions

Environmental precautions : Prevent entry to sewers and public waters.

6.3. Methods and material for containment and cleaning up

Clean up methods : Dispose in a safe manner in accordance with local/national regulations.
Sweep up dry powder and dispose properly.

6.4. Reference to other sections

Reference to other sections : No Reference

SECTION 7 Handling and storage

7.1. Precautions for safe handling

General : Minimize generation of dust. Store in dry, well-ventilated area.

7.2. Conditions for safe storage, including any incompatibilities

Storage : Store at room temperature

7.3. Specific end use(s)

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SECTION 7 Handling and storage (continued)

Specific end use(s) : For professional use only.
Duchefa Biochemie B.V. products are only intended for in vitro laboratory research purposes.

SECTION 8 Exposure controls/personal protection

8.1. Control parameters

8.2. Exposure controls

- Eye protection : Safety glasses.
- Skin protection : In case of possible repeated skin contact wear protective clothing.
- Hand protection : In case of repeated or prolonged contact wear gloves.
- Respiratory protection : P1 Where excessive dust may result, wear approved mask.

SECTION 9 Physical and chemical properties

9.1. Information on basic physical and chemical properties

• Appearance

Appearance : Crystals.
Powder.

Colour : White.

• Odour

Odour : Odourless.

• Odour threshold

Odour threshold : Not established.

• pH

pH value : Not established.

• Melting point / Freezing point

Melting point [°C] : 820

• Initial boiling point - boiling range

Boiling point [°C] : Not applicable.

• Flash point

Flash point [°C] : Not flammable.

• Evaporation rate

Evaporation rate (ether=1) : No data available.

• Flammability

Flammability range [vol% in air] : No data available.

• Explosion limits (lower - upper)

Explosion limits : No data available.

• Vapour pressure

• Vapour density

Relative vapour density (air=1) : No data available.

• Relative density

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SECTION 9 Physical and chemical properties (continued)

Density [kg/m³] : Circa 600 g/cm³**• Solubility**

Solubility in water : 500 g/l at 25 °C

• Partition coefficient : n-octanol / water**• Auto-ignition temperature****• Thermal decomposition**

Thermal decomposition [°C] : No data available.

• Viscosity**• Explosive Properties**

Explosive Properties : Not established.

• Oxidising properties

Oxidising properties : Not established.

9.2. Other information

SECTION 10 Stability and reactivity

10.1. Reactivity

No data available.

10.2. Chemical stability

Stability : Stable under normal conditions.

10.3. Possibility of hazardous reactions

No data available.

10.4. Conditions to avoid

Conditions to avoid : Moisture.

10.5. Incompatible materials

Oxidizer.

10.6. Hazardous decomposition products

Hazardous decomposition products : None.

SECTION 11 Toxicological information

11.1. Information on toxicological effects

Toxicity information : Not established.

- Inhalation : Dust from this product may cause respiratory irritation.

- Dermal : May cause eye irritation.

SECTION 12 Ecological information

12.1. Toxicity

No data available.

12.2. Persistence - degradability

No data available.

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SECTION 12 Ecological information (continued)

12.3. Bioaccumulative potential

No data available.

12.4. Mobility in soil

No data available.

12.5. Results of PBT and vPvB assessment

No data available.

12.6. Other adverse effects

Environmental precautions

: Prevent entry to sewers and public waters.
Avoid release to the environment.

SECTION 13 Disposal considerations

13.1. Waste treatment methods

General

: This product is not hazardous.

Special precautions

: When not empty dispose of this container at hazardous or special waste collection point.

SECTION 14 Transport information

14.1. UN Number

Not applicable.

14.2. Proper shipping name

Not applicable.

14.3. Transport Hazard Classification

Not applicable.

14.4. Packing group

Not applicable.

14.5. Environmental hazards

Not applicable.

14.6. Special precautions for user

Not applicable.

14.7. Bulk transport - annex II Marpol 73/78 - IBC

Not applicable.

SECTION 15 Regulatory information

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

Ensure all national/local regulations are observed.

15.2. Chemical Safety Assessment

Not established.

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SECTION 16 Other information

Further information	: The information contained herein is based on the present state of our knowledge. It characterizes the product with regard to the appropriate safety precautions. It does not represent a guarantee of the properties of the product.
Revision	: 0 Complete SDS revision 1 : 1.3 Add poison centre information 15. Regulatory information

The contents and format of this SDS are in accordance with REGULATION (EC) No 1907/2006 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL

End of document

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