

MATERIAL SAFETY DATA SHEET

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

Identification of the product

Product name: Sucrose (°Brix) Calibration Standard

Manufacturer/supplier identification

Company: Bellingham + Stanley Ltd., Longfield Road, Tunbridge Wells, KENT. TN2 3EY. UK
Telephone : +44 (0) 1892 500400
Fax : +44 (0) 1892 543115

2. Composition/information on ingredients

Chemical characterization

Organic solid
Product name: Sucrose
CAS number: 57-50-1 EC-No.: 200-334-9
Molecular formula: $C_{12}H_{22}O_{11}$ = 342.30 g/mol

3. Hazards identification

4. First aid measures

- Eye contact: Irrigate thoroughly with water. If discomfort persists obtain medical attention.
- Inhalation: Remove from exposure.
- Skin contact: Wash off thoroughly with soap and water.
- Ingestion: Wash out mouth thoroughly with water. In severe cases obtain medical attention.

5. Fire-fighting measures

Special risks:

Combustible.

Suitable extinguishing media:

Water spray, foam, dry powder or carbon dioxide

6. Accidental release measures

Wear appropriate protective clothing.
Carefully sweep up and dispose of in accordance with local regulations.
For large spillages liquids should be contained with sand or earth and both liquids and solids transferred to salvage containers.
Any residues should be treated as for small spillages.

7. Handling and storage

Handling:

Wash hands after working with substance.

Storage:

Store at room temperature (15 to 25°C recommended). Keep well closed and protected from direct sunlight and moisture.

8. Exposure controls/personal protection

UK Exposure Limits:

WEL - Sucrose:

Long term: 10 mg/m³ Short term: 20 mg/m³

Personal protective equipment:

As appropriate to the situation and the quantity handled.

- Respirator: Dust respirator
- Ventilation: Extraction hood
- Gloves: Rubber or plastic
- Eye Protection: Goggles or face-shield
- Other Precautions: Plastic apron, sleeves, boots - if handling large quantities

9. Physical and chemical properties

General information:

Form: solid
Colour: colourless to white
Odour: odourless

Health, safety and environmental information:

Melting temperature 160°C (decomposition)
Boiling temperature Not applicable
Density(g/ml) No data
Solubility in water Very soluble
pH value ~7 (100g/l H₂O,20°C)

10. Stability and reactivity

Stable.

Substances to be avoided
strong oxidizing agents (risk of explosion!).

11. Toxicological information

Naturally occurring substance. No toxic effects are to be expected when handled properly.

Further data

LD50 29700 mg/kg oral, rat.

We have no evidence of carcinogenic effects.
We have no evidence of mutagenic or teratogenic effects.

12. Ecological information

No environmental hazard is anticipated provided that the material is handled and disposed of with due care and attention.

13. Disposal considerations

Can be safely disposed of as ordinary refuse.

14. Transport information

Not subject to transport regulations.

15. Regulatory information

Labelling according to EC directives

EC-No.: 200-334-9

Local Regulations

16. Other information

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