



MATERIAL SAFETY DATA SHEET

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General

Synonyms: sugar, cane sugar, saccharose, beta-d-fructofuranosyl-alpha-d-glucopyranoside, beta-d-fructofuranoside, beet sugar, confectioner's sugar, granulated sugar, NCI-C56597, icing sugar, rock candy, saccharum

Molecular formula: $C_{12}H_{22}O_{11}$

CAS No: 57-50-1

EC No: 200-334-9

Physical data

Appearance: white crystals or powder
Melting point: 160 -180 C (decomposes)
Boiling point:
Vapour density:
Vapour pressure:
Density (g cm⁻³): 1.59
Flash point:
Explosion limits:
Autoignition temperature:
Water solubility: substantial
Refractive index: 1.5376

Stability

Stable. Combustible. Incompatible with strong oxidizing agents. Hydrolyzed by dilute acids and by invertase.

Toxicology

Inhalation of powder may cause respiratory irritation.

Toxicity data

(The meaning of any abbreviations which appear in this section is given here.)

ORL-RAT LD50 29700 mg kg⁻¹

IPR-MUS LD50 14000 mg kg⁻¹

Transport information

Non-hazardous for air, sea and road freight.

Personal protection

Thought to present no significant health hazard.

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This information was last updated on March 22, 2005. We have tried to make it as accurate and useful as possible, but can take no responsibility for its use, misuse, or accuracy. We have not verified this information, and cannot guarantee that it is up-to-date.