

Safety Data Sheet (SDS)

5-2-2022: File reviewed, more current MSDS/SDS not available. JMC

**SECTION 1 — CHEMICAL PRODUCT AND COMPANY IDENTIFICATION**

Sucrose

Signal Word  
N/A

Flinn Scientific, Inc. P.O. Box 219, Batavia, IL 60510 (800) 452-1261

Chemtrec Emergency Phone Number: (800) 424-10399

Pictograms

**SECTION 2 — HAZARDS IDENTIFICATION**

This chemical is considered nonhazardous according to GHS classifications for the Hazard Communication Standard. Treat all laboratory chemicals with caution.

Although this material is considered to be nonhazardous, unpredictable reactions among chemicals are always possible. Prudent laboratory practices should be observed.

Product should be treated as a chemical and is not for consumption as it has been stored with other nonfood-grade chemicals.

**SECTION 3 — COMPOSITION, INFORMATION ON INGREDIENTS**

| Component Name  | CAS Number | Formula   | Formula Weight | Concentration |
|---|------------|---|----------------|---------------|
| Sucrose   | 57-50-1    | C <sub>12</sub> H <sub>22</sub> O <sub>11</sub> | 342.31         |               |
| Synonyms: Sugar; Table sugar; Food sprinkles; Cane sugar; Sanding sugar |            |   |                |               |

**SECTION 4 — FIRST AID MEASURES**

Call a POISON CENTER or physician if you feel unwell.

**If inhaled:** Remove victim to fresh air and keep at rest in a position comfortable for breathing.

**If in eyes:** Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do so. Continue rinsing.

**If on skin:** Wash with plenty of water.

**If swallowed:** Rinse mouth. Call a POISON CENTER or physician if you feel unwell.

**SECTION 5 — FIRE FIGHTING MEASURES**

Nonflammable solid.

When heated to decomposition, may emit toxic fumes.

In case of fire: Use a tri-class dry chemical fire extinguisher.

NFPA Code  
None established

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**SECTION 6 — ACCIDENTAL RELEASE MEASURES**

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Sweep up, place in sealed bag or container and dispose. Wash spill site after material pickup is complete. See Sections 8 and 13 for further information.

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**SECTION 7 — HANDLING AND STORAGE**

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Flinn Suggested Chemical Storage Pattern: Organic #2. Store with alcohols, glycols, amines and amides. Store in a cool, dry place. Store in a Flinn Chem-Saf™ bag.

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**SECTION 8 — EXPOSURE CONTROLS, PERSONAL PROTECTION**

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Avoid contact with eyes. Wash hands thoroughly after handling.  
Exposure guidelines: (as total dust) PEL 15 mg/m<sup>3</sup> (OSHA); TLV 10 mg/m<sup>3</sup> (ACGIH)

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**SECTION 9 — PHYSICAL AND CHEMICAL PROPERTIES**

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|   |  |
|---|--|
| Hard, white crystals or colored spheres or cylinders. | Melting point: 185-187 °C (decomposes) |
| Malt-like odor.                                       | Specific gravity: 1.5877               |
| Soluble: Water. Slightly in alcohol.                  | Not for human consumption.             |

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**SECTION 10 — STABILITY AND REACTIVITY**

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Avoid contact with strong oxidizers.  
Shelf life: Indefinite, if stored properly and kept dry.

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**SECTION 11 — TOXICOLOGICAL INFORMATION**

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|                       |   |
|-----------------------|---|
| Acute effects: N.A.   | ORL-RAT LD <sub>50</sub> : 29,700 mg/kg |
| Chronic effects: N.A. | IHL-RAT LC <sub>50</sub> : N.A.         |
| Target organs: N.A.   | SKN-RBT LD <sub>50</sub> : N.A.         |

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**SECTION 12 — ECOLOGICAL INFORMATION**

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Data not yet available.

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**SECTION 13 — DISPOSAL CONSIDERATIONS**

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Please review all federal, state and local regulations that may apply before proceeding.  
Flinn Suggested Disposal Method #26a is one option.

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**SECTION 14 — TRANSPORT INFORMATION**

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Shipping name: Not regulated. Hazard class: N/A. UN number: N/A.

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**SECTION 15 — REGULATORY INFORMATION**

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TSCA-listed, EINECS-listed (200-334-9).

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**SECTION 16 — OTHER INFORMATION**

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N.A. = Not available, not all health aspects of this substance have been fully investigated.

N/A = Not applicable

**Consult your copy of the Flinn Science Catalog/Reference Manual for additional information about laboratory chemicals.**

**Revision Date:** March 25, 2014

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