

Material Safety Data Sheet (MSDS)

Product Name: Sucrose Crystal S-30

MSDS Generate Date: 20-05-2017

Revision Date: 30-12-2024

Supplier:

Rawpharma Biz Pvt Ltd

1101- City Centre 2,

Science City Road,

Sola Ahmedabad Gujarat,

India - 380060.

Contact No.: +91 97272 88479

Email: info@rawpharmabiz.com

Website: www.rawpharmabiz.com

1. Product Identification

- **Chemical Name:** Sucrose
- **Synonyms:** Table Sugar, Cane Sugar, Beet Sugar
- **CAS Number:** 57-50-1
- **Food Grade Code:** S-30
- **Recommended Use:** Sweetener, food additive

2. Composition / Information on Ingredients

- **Ingredient:** Sucrose (C₁₂H₂₂O₁₁)
- **Purity:** ≥ 99.5%
- **Impurities:** Trace moisture, negligible ash content

3. Hazards Identification

- **GHS Classification:** Not classified as hazardous
 - **Health Hazards:** Low toxicity; may cause irritation if inhaled as dust
 - **Environmental Hazards:** Biodegradable, no significant environmental hazard
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4. First Aid Measures

- **Inhalation:** Move to fresh air, seek medical attention if symptoms persist
 - **Skin Contact:** Wash with soap and water
 - **Eye Contact:** Rinse with water for at least 15 minutes
 - **Ingestion:** Generally safe, but excessive consumption may cause gastrointestinal discomfort
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5. Firefighting Measures

- **Flammable Properties:** Non-flammable
 - **Suitable Extinguishing Media:** Water, foam, dry chemical powder, CO₂
 - **Special Hazards:** May decompose at very high temperatures to produce carbon oxides
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6. Accidental Release Measures

- **Spill Cleanup:** Sweep or vacuum, avoid creating dust clouds
 - **Environmental Precautions:** Prevent large quantities from entering drains or waterways
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7. Handling and Storage

- **Handling:** Avoid inhaling dust; maintain good hygiene
 - **Storage:** Store in cool, dry, well-ventilated area away from moisture and contaminants
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8. Exposure Controls / Personal Protection

- **Exposure Limits:** No occupational exposure limit established
- **Engineering Controls:** Local exhaust recommended if dust is generated
- **Personal Protective Equipment (PPE):** Dust mask, safety glasses, gloves

9. Physical and Chemical Properties

- **Appearance:** White crystalline powder
- **Odor:** Odorless
- **Melting Point:** 186 °C
- **Solubility:** Soluble in water
- **pH (1% solution):** 5.2–5.5
- **Density:** 1.59 g/cm³

10. Stability and Reactivity

- **Chemical Stability:** Stable under normal conditions
- **Conditions to Avoid:** High humidity, moisture, and heat
- **Incompatible Materials:** Strong oxidizing agents
- **Hazardous Decomposition Products:** Carbon oxides at very high temperatures

11. Toxicological Information

- **Acute Toxicity:** Low; LD50 (oral, rat) > 30 g/kg
- **Chronic Effects:** Not known to cause chronic health issues
- **Routes of Exposure:** Ingestion, inhalation (dust)

12. Ecological Information

- **Biodegradability:** Readily biodegradable
- **Bioaccumulation:** Low potential
- **Ecotoxicity:** Practically non-toxic to aquatic organisms

13. Disposal Considerations

- **Waste Disposal:** Dispose of in accordance with local regulations

- **Incineration:** Safe for incineration in approved facilities
 - **Recycling:** May be reused in food processing if uncontaminated
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14. Transport Information (Detailed)

- **UN Number:** Not applicable
 - **UN Proper Shipping Name:** Not regulated
 - **Transport Hazard Class(es):** Non-hazardous
 - **Packing Group:** Not applicable
 - **Environmental Hazards:** None known
 - **Transport Precautions:**
 - Transport in dry, clean containers.
 - Avoid contamination with other materials.
 - Ensure proper labeling to indicate food-grade material.
 - For bulk transport, avoid exposure to moisture which may cause caking.
 - Maintain ventilation in transport vehicles if dust generation is possible.
 - **Mode of Transport:**
 - **Road:** Compliant with local transport regulations.
 - **Rail:** Non-restricted.
 - **Sea:** Not classified as dangerous for maritime transport.
 - **Air:** No restrictions under IATA/ICAO regulations.
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15. Regulatory Information

- **Compliance:** Food grade according to FSSAI, Codex Alimentarius, and BIS standards
 - **Labeling Requirements:** Food additive labeling, ingredient listing
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16. Other Information

- **Disclaimer:** The information contained herein is based on current knowledge and experience. It is intended to describe safety requirements and is not a guarantee of product properties.
- **MSDS Generate Date:** 20-05-2017
- **Revision Date:** 30-12-2024
- **Website:** www.rawpharmabiz.com
- MSDS are based on the manufacturer's provided information.