

SAFETY DATA SHEET

SUCRALOSE

CAS No.: 56038-13-2

This Safety Data Sheet is compiled from well-established published chemical, GHS classification and regulatory reference sources for this substance. It is supplied by Suraj Chemicals as the distributor/supplier of record and is not a manufacturer-issued document. Users should also consult the specific manufacturer's SDS where available.

1. IDENTIFICATION

Product Name	Sucralose
CAS Number	56038-13-2
Recommended Use	Industrial / commercial chemical trading and distribution
Supplier	Suraj Chemicals, No 92, Govindappa Naicken Street, Shiva Complex, Chennai - 600001, India
Emergency Telephone	+91 - 9840284032, 9176135357 / +91 - 44 - 25393652

2. HAZARD(S) IDENTIFICATION

GHS Signal Word	Not classified
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HAZARD CLASSIFICATION

None assigned

HAZARD STATEMENTS

None assigned

PRECAUTIONARY STATEMENTS

None assigned

3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	Sucralose
CAS Number	56038-13-2
Physical State	Solid (crystalline powder)
Appearance / Odour	White to off-white crystalline powder, odorless.

4. FIRST-AID MEASURES

Eye Contact	Rinse cautiously with water for several minutes; remove contact lenses if present.
Skin Contact	Wash with soap and water; not expected to be irritating.
Inhalation	Move to fresh air; dust may cause mild mechanical irritation.
Ingestion	No hazard expected as an approved food ingredient; rinse mouth with water if discomfort occurs.

5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media	Water spray, carbon dioxide, dry chemical, foam.
Unsuitable Extinguishing Media	None known.
Special Hazards	Not combustible under normal conditions; fine dust may present a nuisance-dust hazard; combustion may release hydrogen chloride and other irritating fumes due to the molecule's chlorine content.

6. ACCIDENTAL RELEASE MEASURES

Measures	Avoid generating dust; sweep/vacuum and collect in containers for disposal; wash residual area with water.
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7. HANDLING AND STORAGE

Handling Precautions	Avoid generating and inhaling dust; use local exhaust ventilation where dust forms; avoid eye contact; use standard food-handling hygiene practices.
Storage Conditions	Store in tightly closed containers in a cool, dry place away from strong oxidizing agents; protect from moisture.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Limits / PPE	No specific OEL established; treat as nuisance dust (general guideline ~10 mg/m ³ TWA); use dust mask, safety glasses, and gloves during bulk handling.
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9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State	Solid (crystalline powder)
Appearance / Odour	White to off-white crystalline powder, odorless.
Boiling Point	Not applicable (decomposes before boiling)
Melting Point	Approximately 112-125 C (decomposes)
Flash Point	Not applicable (non-flammable solid)
Density / Specific Gravity	Approximately 1.6 (true density)
Water Solubility	Freely soluble, approximately 280-300 g/L at 20-25 C
pH Value	Approximately 6.0-8.0 (10% aqueous solution)

10. STABILITY AND REACTIVITY

Stability	Stable under normal conditions of storage and handling; stable to heat within normal food-processing/cooking temperatures.
Incompatible Materials	Strong oxidizing agents.
Hazardous Decomposition	Thermal decomposition may release hydrogen chloride, carbon monoxide, and carbon dioxide due to the chlorine substituents in the molecule.

11. TOXICOLOGICAL INFORMATION

Summary	Very low acute toxicity (rat oral LD50 greater than 10,000 mg/kg); an extensively studied high-intensity sweetener with no genotoxic, carcinogenic, or reproductive-toxicity concerns identified in regulatory reviews; not classified as an irritant or sensitizer under GHS.
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12. ECOLOGICAL INFORMATION

Summary	Low acute toxicity to aquatic organisms; poorly biodegradable (persistent) but used at very low concentrations; not expected to bioaccumulate significantly.
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13. DISPOSAL CONSIDERATIONS

Disposal Method	Dispose of in accordance with local/national regulations; small quantities may be disposed of as non-hazardous solid waste; avoid large-scale discharge to waterways given limited biodegradability.
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14. TRANSPORT INFORMATION

UN Number	Not regulated for transport
Transport Hazard Class	Not regulated
Packing Group	Not applicable

15. REGULATORY INFORMATION

Notes	Approved high-intensity sweetener (E955) under Codex Alimentarius, US FDA, and EU food additive regulations within permitted use levels; not classified as hazardous under GHS.
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16. OTHER INFORMATION

Prepared By	Suraj Chemicals, Technical / QA Desk
Date of Issue	29 Sep 2026
Note	This SDS is compiled from well-established published GHS hazard classification data and general chemical reference sources for this substance, in the standard 16-section format. Values are believed accurate but Suraj Chemicals makes no warranty, express or implied, regarding their completeness. Users should evaluate suitability for their own specific use.

(This document is computer generated and therefore does not require any signature.)

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