

SAFETY DATA SHEET

L-TARTARIC ACID (FOOD GRADE)

CAS No.: 87-69-4

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	L-Tartaric Acid (Food Grade)
CAS Number	87-69-4
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	Warning
HAZARD CLASSIFICATION • Skin irritation Category 2 • Serious eye damage/eye irritation Category 2 • Specific target organ toxicity - single exposure (respiratory irritation) Category 3	
HAZARD STATEMENTS • H315 - Causes skin irritation • H319 - Causes serious eye irritation • H335 - May cause respiratory irritation	
PRECAUTIONARY STATEMENTS • P261 - Avoid breathing dust • P264 - Wash hands thoroughly after handling • P271 - Use only outdoors or in a well-ventilated area • P280 - Wear protective gloves/eye protection/face protection • P302+P352 - IF ON SKIN: Wash with plenty of water • P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing • P332+P313 - If skin irritation occurs: Get medical advice/attention • P337+P313 - If eye irritation persists: Get medical advice/attention • P312 - Call a POISON CENTER/doctor if you feel unwell	

3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	L-Tartaric Acid (Food Grade)
CAS Number	87-69-4
Physical State	Solid (crystalline powder or granules)
Appearance / Odour	White crystalline powder or colorless crystals, odorless, with a strongly acidic/sour taste.

4. FIRST-AID MEASURES

Eye Contact	Rinse immediately with plenty of water for at least 15 minutes, lifting eyelids occasionally; remove contact lenses if present; seek immediate medical attention.
Skin Contact	Remove contaminated clothing; wash affected area with plenty of soap and water for at least 15 minutes; seek medical attention if irritation persists.
Inhalation	Move to fresh air immediately; if breathing is difficult, administer oxygen; seek medical attention if coughing or respiratory irritation persists.
Ingestion	Rinse mouth with water; do not induce vomiting; give water to drink if the person is conscious; seek immediate medical attention.

5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media	Water spray, carbon dioxide, dry chemical, foam.
Unsuitable Extinguishing Media	Avoid high-pressure water/air jets that disperse dust and may create a combustible dust cloud.
Special Hazards	Fine dust may form combustible dust concentrations in air; combustion produces carbon oxides and may release irritating fumes.

6. ACCIDENTAL RELEASE MEASURES

Measures	Avoid generating dust; sweep/vacuum up and collect in suitable containers for disposal; wear gloves, eye protection, and a dust mask; flush residue with water; avoid discharge to drains without neutralization.
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7. HANDLING AND STORAGE

Handling Precautions	Avoid contact with eyes and skin; avoid breathing dust; use adequate ventilation or local exhaust ventilation; wear protective gloves and eye/face protection; wash hands thoroughly after handling.
Storage Conditions	Store in tightly closed containers in a cool, dry, well-ventilated place away from strong bases, oxidizing agents, and reactive metals.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Limits / PPE	No specific occupational exposure limit established; treat as an irritant/nuisance dust (general guideline ~10 mg/m3 TWA); use chemical safety goggles, protective gloves, and a dust mask/respirator when handling bulk powder in poorly ventilated areas.
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9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State	Solid (crystalline powder or granules)
Appearance / Odour	White crystalline powder or colorless crystals, odorless, with a strongly acidic/sour taste.
Boiling Point	Not applicable (decomposes before boiling)
Melting Point	Approximately 171-174 C
Flash Point	Not applicable (non-flammable solid)
Density / Specific Gravity	Approximately 1.76-1.8
Water Solubility	Freely soluble, approximately 1330 g/L (about 139 g/100 mL) at 20 C
pH Value	Approximately 2.0-3.5 (aqueous solution, concentration dependent)

10. STABILITY AND REACTIVITY

Stability	Stable under normal conditions of storage and handling.
Incompatible Materials	Strong oxidizing agents, strong bases, reactive metals (may liberate hydrogen gas), and silver salts.
Hazardous Decomposition	Thermal decomposition produces carbon monoxide and carbon dioxide.

11. TOXICOLOGICAL INFORMATION

Summary	Low acute oral toxicity (rat oral LD50 approximately 4,360-7,500 mg/kg); causes skin and serious eye irritation and may cause respiratory irritation from dust exposure; not classified as a mutagen, carcinogen, or reproductive toxicant; a naturally occurring food acid (E334) that is safe within regulated dietary use levels.
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12. ECOLOGICAL INFORMATION

Summary	Readily biodegradable; generally low toxicity to aquatic organisms, though high concentrations can lower pH and affect aquatic life; not expected to bioaccumulate.
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13. DISPOSAL CONSIDERATIONS

Disposal Method	Neutralize before disposal where required by local regulation; dispose of in accordance with local/national waste regulations; avoid direct discharge of concentrated acid solutions to waterways or sewers without neutralization.
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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 food acidulant (E334) under Codex Alimentarius, US FDA (GRAS), and EU food regulations; despite being an approved food additive, the technical/bulk substance carries a GHS Warning classification for occupational handling (skin/eye/respiratory irritation from the concentrated powder).
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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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