

SAFETY DATA SHEET

SODIUM CITRATE (FOOD GRADE, IP/BP/USP)

CAS No.: 6132-04-3

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	Sodium Citrate (Food Grade, IP/BP/USP)
CAS Number	6132-04-3
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
HAZARD CLASSIFICATION	None assigned
HAZARD STATEMENTS	None assigned
PRECAUTIONARY STATEMENTS	None assigned

3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	Sodium Citrate (Food Grade, IP/BP/USP)
CAS Number	6132-04-3
Physical State	Solid
Appearance / Odour	White, odorless crystalline powder or granules.

4. FIRST-AID MEASURES

Eye Contact	Rinse with water for several minutes if dust causes irritation; seek medical attention if irritation persists.
Skin Contact	Wash off with water; not expected to cause more than transient irritation.
Inhalation	Remove to fresh air; if dust inhalation causes coughing or discomfort, seek medical attention.
Ingestion	Rinse mouth with water; give water to drink; this food/pharmaceutical ingredient is of low toxicity but seek medical advice if large amounts are ingested.

5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media	Non-combustible; use any extinguishing media suitable for the surrounding fire.
Unsuitable Extinguishing Media	None identified.
Special Hazards	None significant; may decompose at high temperature releasing irritating fumes (sodium oxides, carbon oxides).

6. ACCIDENTAL RELEASE MEASURES

Measures	Sweep up avoiding excessive dust generation and collect in a suitable container for reuse or disposal; no special environmental precautions are normally needed.
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7. HANDLING AND STORAGE

Handling Precautions	Avoid generating and inhaling dust; use standard industrial hygiene practices.
Storage Conditions	Store in a cool, dry, well-ventilated place in a tightly closed container.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Limits / PPE	No specific occupational exposure limit established; general nuisance-dust guidance applies (~10 mg/m ³ total dust); use a dust mask and safety glasses when handling large quantities.
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9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State	Solid
Appearance / Odour	White, odorless crystalline powder or granules.
Boiling Point	Not applicable
Melting Point	~300 C (decomposes; dihydrate loses water of crystallization near 150 C)
Flash Point	Not applicable (non-flammable solid)
Density / Specific Gravity	~1.7 (true density)
Water Solubility	Freely soluble in water (readily dissolves, on the order of several hundred g/L at room temperature)
pH Value	~7.5-9.0 (5% aqueous solution, mildly alkaline)

10. STABILITY AND REACTIVITY

Stability	Stable under normal conditions of storage and use.
Incompatible Materials	Strong acids and strong oxidizing agents.
Hazardous Decomposition	Oxides of sodium and carbon on strong heating.

11. TOXICOLOGICAL INFORMATION

Summary	Low acute toxicity (oral LD50, rat, >5,000 mg/kg); widely used food, pharmaceutical (anticoagulant) and industrial ingredient; dust may cause mild eye or mucous membrane irritation; not classified as a carcinogen, mutagen or reproductive toxicant.
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12. ECOLOGICAL INFORMATION

Summary	Not classified as hazardous to the environment; readily dissociates in water into naturally occurring ions with low aquatic toxicity.
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13. DISPOSAL CONSIDERATIONS

Disposal Method	Dispose of in accordance with local regulations; generally suitable for dilution to sewer within permitted limits or landfill disposal; not a hazardous waste.
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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	Food/pharmaceutical-grade material complies with FCC/Codex/IP/BP/USP monographs; food additive INS/E331(iii); GRAS status in the US; not classified as hazardous under GHS, OSHA HCS or EU CLP.
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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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