

SAFETY DATA SHEET

SODIUM ACETATE

CAS No.: 127-09-3

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 Acetate
CAS Number	127-09-3
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	
• Not classified as hazardous under GHS criteria	
HAZARD STATEMENTS	
None assigned	
PRECAUTIONARY STATEMENTS	
None assigned	

3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	Sodium Acetate
CAS Number	127-09-3
Physical State	Solid
Appearance / Odour	White, odorless crystalline powder or granules (anhydrous); the trihydrate form may have a faint vinegar-like odor.

4. FIRST-AID MEASURES

Eye Contact	Rinse with plenty of water for several minutes; seek medical attention if irritation persists.
Skin Contact	Wash affected area with water; not expected to cause more than transient irritation.
Inhalation	Remove to fresh air if dust is inhaled; seek medical attention if coughing or irritation persists.
Ingestion	Rinse mouth and give water to drink; seek medical attention if large amounts are ingested or discomfort occurs.

5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media	Non-combustible; use extinguishing media appropriate for the surrounding fire (water, foam, dry chemical, or carbon dioxide).
Unsuitable Extinguishing Media	None specifically identified.
Special Hazards	Non-flammable; strong heating may decompose the material, releasing sodium oxide fumes and irritant vapours.

6. ACCIDENTAL RELEASE MEASURES

Measures	Sweep up avoiding dust generation, collect for reuse or disposal, and wash the residual spill area with water.
----------	--

7. HANDLING AND STORAGE

Handling Precautions	Avoid generating dust, use general ventilation, and avoid contact with strong acids (which liberate acetic acid vapour).
Storage Conditions	Store in a dry, well-ventilated area in closed containers; the material is hygroscopic and should be kept sealed away from strong acids and strong oxidizers.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Limits / PPE	No specific occupational exposure limit is established; treat as a particulate not otherwise classified (general guidance ACGIH ~10 mg/m3 inhalable, 3 mg/m3 respirable) and use a dust mask, safety glasses, and gloves for bulk handling.
-----------------------	---

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State	Solid
Appearance / Odour	White, odorless crystalline powder or granules (anhydrous); the trihydrate form may have a faint vinegar-like odor.
Boiling Point	Decomposes before boiling (does not have a conventional boiling point)
Melting Point	324 (anhydrous, with decomposition); trihydrate melts in its own water of crystallization around 58
Flash Point	Not applicable (non-flammable solid)
Density / Specific Gravity	1.45-1.53 g/cm3 (anhydrous)
Water Solubility	Highly soluble, approximately 46.5 g/100 mL at 20C
pH Value	8.0-9.0 (1% aqueous solution; mildly alkaline as the salt of a weak acid and strong base)

10. STABILITY AND REACTIVITY

Stability	Stable under normal conditions; hygroscopic.
Incompatible Materials	Strong acids (liberates acetic acid vapour), strong oxidizers such as bromine trifluoride and fluorine.
Hazardous Decomposition	Sodium oxide fumes and acetic acid vapour on strong heating or contact with acids.

11. TOXICOLOGICAL INFORMATION

Summary	Very low acute toxicity (rat oral LD50 approximately 3,530 mg/kg); not classified as irritating to skin; may cause mild, transient eye irritation as a particulate; not classified as a carcinogen, mutagen, or reproductive toxicant; an approved food additive (E262) at regulated concentrations.
---------	--

12. ECOLOGICAL INFORMATION

Summary	Readily soluble and composed of naturally occurring ions; the acetate moiety is readily biodegradable; not expected to bioaccumulate and not classified as hazardous to the aquatic environment.
---------	--

13. DISPOSAL CONSIDERATIONS

Disposal Method	Generally can be disposed of as non-hazardous waste, or discharged to sewer with sufficient dilution where locally permitted; confirm requirements with local waste authority.
-----------------	--

14. TRANSPORT INFORMATION

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

15. REGULATORY INFORMATION

Notes	Listed on the TSCA (US) and REACH (EU) inventories; food, pharmaceutical (USP/FCC), and technical grades are available; used as a pH buffer, deicing agent, and in textile, tanning, and pharmaceutical applications.
-------	---

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.)

"DEALERS IN ACIDS, SOLVENTS, MINERALS, BASES AND SPECIALISED CHEMICAL COMPOUNDS"

+91 - 9840284032, 9176135357
+91 - 44 - 25393652, 42130281
sales@surajchemicals.com
surajchemicals@yahoo.com

No 92, Govindappa Naicken Street
Shiva Complex, Chennai - 600001
www.surajchemicals.com
GST NO : 33ACEPV8190L1ZZ

AUTHORISED DEALER AND IMPORTER FOR
GRASIM INDUSTRIES (ADITYA BIRLA), BASF (GERMANY), GODREJ INDUSTRIES, SNF (FRANCE)