



SUPREME PETRO
CHEMICALS

IMPORTER & DISTRIBUTOR OF INDUSTRIAL CHEMICALS ·
SINCE 1997

No. 145, 1st Floor, Raja Muthiah Road,
Periyamet, Chennai – 600003, India
+91 86087 80096 · +91 81979 47045
admin@supremepetrochemicals.com

SAFETY DATA SHEET (SDS)

Sodium Acetate *SDS*

CAS **6131-90-4** EC **204-823-8** SIGNAL WORD **DANGER**

REV 3.1
29 JULY 2026
GHS REV.11 (2025)

SECTION 1 IDENTIFICATION OF THE SUBSTANCE / MIXTURE AND OF THE
COMPANY

Product Name	Sodium Acetate
Product Type	Sodium Acetate – industrial chemical
Chemical Family	Carboxylate salt (acetate)
CAS No.	6131-90-4
EC No.	204-823-8
Intended Use	Industrial / professional use as described on the SPC product page. Applications include buffering agent, food additive (E262), textile auxiliary, chemical synthesis intermediate, and water treatment.
Restrictions on Use	Industrial / professional use only. Confirm suitability for final application before use.
Supplier	Supreme Petro Chemicals
Address	No. 145, 1st Floor, Raja Muthiah Road, Periyamet, Chennai – 600003, India
Emergency Contact	Sanketh — +91 86087 80096 · Sudarshan — +91 81979 47045
Email	admin@supremepetrochemicals.com
Product Page	https://www.supremepetrochemicals.com/products/sodium-acetate
SDS Revision	July 2026
SDS Version	3.1

SECTION 2 HAZARD IDENTIFICATION

Not classified as hazardous according to GHS / UN GHS Rev.11 (2025) criteria. Sodium acetate (CAS 6131-90-4) does not meet the criteria for classification under GHS for any hazard class based on available reviewed data (PubChem GHS notifications).

GHS Classification Not classified as hazardous



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Signal Word	Not classified
GHS Pictograms	No GHS pictogram

HAZARD STATEMENTS

- None — substance is not classified as hazardous under GHS

PRECAUTIONARY – PREVENTION

- P210 — Keep away from heat, hot surfaces, sparks, open flames. No smoking.
- P233 — Keep container tightly closed.
- P240 — Ground/bond container and receiving equipment.
- P241 — Use explosion-proof electrical/ventilating/lighting equipment.
- P242 — Use only non-sparking tools.
- P243 — Take precautionary measures against static discharge.
- P260 — Do not breathe vapours or spray.
- P271 — Use only outdoors or in a well-ventilated area.
- P272 — Contaminated work clothing should not be allowed out of the workplace.
- P273 — Avoid release to the environment.
- P280 — Wear protective gloves / eye protection / face protection.

PRECAUTIONARY – RESPONSE / STORAGE / DISPOSAL

- P301+P310 — IF SWALLOWED: Immediately call a POISON CENTER or doctor.
- P303+P361+P353 — IF ON SKIN OR HAIR: Remove/take off immediately all contaminated clothing. Rinse skin with water/shower.
- P304+P340 — IF INHALED: Remove person to fresh air and keep comfortable for breathing.
- P305+P351+P338 — IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing.
- P331 — Do NOT induce vomiting.
- P312 — Call a POISON CENTER or doctor if you feel unwell.
- P403+P235 — Store in a well-ventilated place. Keep cool.
- P405 — Store locked up.
- P501 — Dispose of contents/container in accordance with local regulations.



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SECTION 3 COMPOSITION / INFORMATION ON INGREDIENTS

COMPONENT	CAS NO.	EC NO.	% W/W	GHS CLASSIFICATION
Sodium Acetate	6131-90-4	204-823-8	100	Not classified as hazardous according to GHS (PubChem / ECHA notifications)

Percentages are by weight (w/w). Full text of H-statements listed in Section 16. EC No. sourced from ECHA substance database for CAS 6131-90-4.

SECTION 4 FIRST AID MEASURES

Inhalation	Remove person to fresh air. Keep at rest in a position comfortable for breathing. If symptoms persist or breathing is difficult, seek medical attention.
Skin Contact	Remove contaminated clothing. Wash affected skin thoroughly with water and soap. Seek medical attention if symptoms persist.
Eye Contact	Rinse cautiously with water for at least 15 minutes. Remove contact lenses if present and easy to do. Seek medical attention.
Ingestion	Rinse mouth. Do not induce vomiting unless directed by medical personnel. Seek medical advice. Substance has low acute oral toxicity (food-grade applications exist) but large quantities may cause irritation.
Note to Physician	Treat symptomatically based on exposure route and clinical presentation. No specific antidote known.

SECTION 5 FIREFIGHTING MEASURES

Suitable Extinguishing Media	Sodium acetate is a non-flammable solid. Use extinguishing media appropriate to surrounding fire (water spray, dry powder, CO ₂ , foam).
Unsuitable Media	High-pressure water jet where it may spread burning material in surrounding fire.
Specific Hazards	Sodium acetate itself is not flammable. In a fire, thermal decomposition may produce carbon oxides and irritating or toxic fumes (sodium oxide/carbonate). Containers may rupture when exposed to intense heat.
Protective Equipment	Wear full protective clothing and self-contained breathing apparatus (SCBA) when fighting fires involving large quantities.



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Special Procedures

Evacuate non-essential personnel. Cool containers exposed to flames with water. Prevent contaminated fire-fighting run-off from entering drains and waterways. Dust or fine particulate may form irritating atmospheres; avoid dust clouds.

SECTION 6 ACCIDENTAL RELEASE MEASURES

Personal Precautions

Isolate area. Keep unnecessary personnel away. Wear appropriate PPE as described in Section 8. Avoid generating dust. Ventilate affected area.

Environmental Precautions

Prevent entry into drains, sewers, soil and watercourses. Notify relevant environmental authorities if significant release to environment occurs.

Containment / Clean-up

Isolate area and use PPE from Section 8. Sweep or vacuum up spilled solid without generating dust. Collect material into labelled, compatible containers for disposal through an approved waste contractor. Wash spill area with water.

Reference to Sections

See Section 8 for PPE details, Section 13 for disposal information, and Section 15 for regulatory information.

SECTION 7 HANDLING AND STORAGE

Handling Precautions

Use adequate ventilation. Avoid generation of dust. Avoid contact with eyes and skin. Keep container tightly closed when not in use.

Hygiene

Wash hands thoroughly after handling. Remove contaminated clothing before reuse. Do not eat, drink or smoke when using this product.

Storage Conditions

Store in original, tightly closed compatible containers. Inspect containers regularly for leakage or damage. Keep dry — sodium acetate is hygroscopic and absorbs moisture from the air.

Storage Temperature

Ambient temperature (15–30°C recommended). Protect from excessive heat and direct sunlight.

Incompatible Materials

Strong oxidising agents (nitric acid, chlorine, permanganates, peroxides). Avoid contact with concentrated acids and halogens. Reactive with aluminium chloride (AlCl_3) at elevated temperature — not a concern under ambient storage.



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Segregation	Segregate from food, drink, animal feed and incompatible chemicals. Store away from strong oxidisers and concentrated acids.
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SECTION 8 EXPOSURE CONTROLS / PERSONAL PROTECTION

Occupational Exposure Limit	No specific OEL/TWA established for sodium acetate (CAS 6131-90-4) by OSHA, NIOSH, ACGIH, EU or India (as of SDS revision date). Apply ALARA / good industrial hygiene principles. Verify with local authority or supplier if OEL is subsequently published.
Engineering Controls	Use local exhaust ventilation where dust generation occurs. General dilution ventilation is acceptable for low-dust operations. Ensure eyewash station and safety shower are accessible in the work area.
Respiratory Protection	Not normally required under good industrial hygiene conditions. Where dust exposure cannot be controlled, use a NIOSH/EN P95 or P100 particulate respirator. Use SCBA for emergency situations.
Hand / Eye / Skin	Gloves: chemical-resistant gloves (nitrile, butyl or PVC) recommended for extended contact. Eye/Face: safety glasses or chemical splash goggles (EN 166 / ANSI Z87.1) where dust or splashes may occur; add face shield for bulk handling. Body: chemical-resistant clothing/apron and safety footwear. Provide eyewash and safety shower where appropriate.

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance	White to off-white crystalline powder or granules (anhydrous form); colourless crystals (trihydrate form)
Odour	Odourless (anhydrous); faint acetic acid (vinegar) odour (trihydrate)
Odour Threshold	Not established
pH	~8.9 (0.1 M aqueous solution at 25°C); alkaline due to hydrolysis. Verify from supplier COA/SDS for the specific grade.
Melting / Freezing Point	~324°C (anhydrous); ~58°C (trihydrate, NaCH ₃ COO·3H ₂ O)
Boiling Point / Range	Decomposes before boiling; decomposition begins ~607°C (1125°F) — no true boiling point for the anhydrous salt
Flash Point	Not applicable — sodium acetate is a non-flammable inorganic/organic salt and does not have a flash point
Auto-ignition Temperature	Not applicable — substance is non-flammable
Flammability Limits	Not applicable — substance is non-flammable



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Vapour Pressure	~0.00000071 mmHg at ambient temperature (negligible; solid ionic salt)
Vapour Density (air = 1)	Not applicable (solid; negligible vapour)
Relative Density	1.528 g/cm ³ (anhydrous, at 20°C); ~1.45 g/cm ³ (trihydrate)
Solubility in Water	119 g/100 mL at 0°C; ~46.5 g/100 mL at 20°C; 170.15 g/100 mL at 100°C. Slightly soluble in alcohol.
Log Pow (Partition Coeff.)	-3.49 (very hydrophilic; does not bioaccumulate)
Evaporation Rate	Not applicable (non-volatile solid)
Viscosity	Not applicable (solid)
VOC Content	Negligible / zero (solid inorganic salt; not a VOC source)

SECTION 10 STABILITY AND REACTIVITY

Chemical Stability	Stable under recommended storage and handling conditions. Hygroscopic — absorbs moisture from air; store in sealed containers.
Conditions to Avoid	Avoid heat above 324°C (melting), moisture ingress (hygroscopic), ignition sources in dusty environments, and contact with incompatible materials.
Incompatible Materials	Strong oxidising agents (nitric acid, chlorine, permanganates, peroxides). Concentrated acids and halogens. Aluminium chloride (AlCl ₃) at elevated temperature.
Hazardous Decomposition	Carbon oxides (CO, CO ₂) and sodium oxide/carbonate may be formed at high temperatures or in fire. No hazardous decomposition products under normal storage conditions.
Hazardous Reactions	Will not occur under normal conditions when stored and handled correctly. No polymerisation hazard.

SECTION 11 TOXICOLOGICAL INFORMATION

Acute Oral Toxicity	Low acute oral toxicity. LD ₅₀ (rat, oral): ~3,530 mg/kg (published literature). Classified as low hazard; substance has food-additive status (E262). Seek medical advice after ingestion of large quantities.
Acute Dermal Toxicity	Low dermal toxicity based on available data. Not classified. Prolonged or repeated contact may cause mild irritation in sensitive individuals.



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Acute Inhalation Toxicity	Not classified. Dust inhalation may cause mild irritation to the respiratory tract. No specific LC ₅₀ data available from reviewed sources.
Skin Irritation	Not classified as a skin irritant based on available GHS review data. May cause mild irritation on prolonged contact.
Eye Irritation	Not classified as an eye irritant. Dust or concentrated solution may cause transient irritation; rinse with water.
Sensitisation	Not classified as a skin or respiratory sensitiser based on available data.
Carcinogenicity	Not classified. Not listed as a carcinogen by IARC, NTP, ACGIH or OSHA.
Mutagenicity	Not classified. No evidence of mutagenicity or genotoxicity from available reviewed data.

SECTION 12 ECOLOGICAL INFORMATION

Aquatic Toxicity	Not classified for aquatic toxicity. Sodium acetate is readily biodegradable and of low concern to aquatic organisms at typical environmental concentrations. No acute aquatic classification identified from reviewed GHS data. Avoid large-scale release to prevent localised oxygen depletion during biodegradation.
Persistence / Degradability	Readily biodegradable (acetate is a natural metabolite). Not expected to persist in the environment.
Bioaccumulation	Not expected to bioaccumulate. Log Pow = -3.49 (very hydrophilic; BCF negligible).
Mobility in Soil	High mobility in soil due to high water solubility. Rapidly biodegraded by soil microorganisms. Prevent large releases to groundwater.
Other Adverse Effects	Avoid uncontrolled release to the environment. Manage releases and waste under applicable local environmental regulations.

SECTION 13 DISPOSAL CONSIDERATIONS

Waste from Product	Dispose of contents through an authorised waste contractor in accordance with local, state and national regulations. Small quantities may be disposed of via dilution and drain disposal where permitted under local water authority limits; confirm before use.
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Contaminated Packaging	Empty containers may retain residues; handle as potentially contaminated until cleaned or disposed. Return to supplier or dispose via authorised recycling/waste contractor.
Indian Regulations	Follow applicable Hazardous and Other Wastes (Management and Transboundary Movement) Rules, Solid Waste Management Rules, and relevant CPCB/SPCB guidelines. Sodium acetate is not listed as a scheduled hazardous waste but verify final waste code with disposal contractor.

SECTION 14 TRANSPORT INFORMATION

PARAMETER	UN / ADR (ROAD)	IMDG (SEA)	IATA (AIR)
UN Number	Not regulated	Not regulated	Not regulated
Proper Shipping Name	Not regulated	Not regulated	Not regulated
Class	Not regulated	Not regulated	Not regulated
Packing Group	Not applicable	Not applicable	Not applicable
Marine Pollutant	No	No	—

Sodium acetate (CAS 6131-90-4) is not listed as a regulated dangerous good under ADR, IMDG, or IATA-DGR. No UN transport entry identified in reviewed data. Follow applicable carrier/customs documentation requirements. Use approved compatible containers appropriate to the product. Verify current carrier rules and country-specific import requirements before shipment.

SECTION 15 REGULATORY INFORMATION

EU / REACH / CLP	Sodium acetate is registered / notified under REACH. Classified and labelled according to GHS/CLP classification listed in Section 2 (not classified). Observe REACH Annex II SDS requirements where applicable.
EU Directive	Observe applicable workplace chemical, VOC and environmental requirements under relevant EU directives and regulations.
OSHA (USA)	Prepared in OSHA HCS/HazCom-aligned 16-section SDS format. Sodium acetate is on the TSCA inventory.
India	Observe applicable MSIHC Rules, Factories Act, Hazardous Waste Management Rules, Water/Air Pollution Control Acts, and relevant CPCB/SPCB requirements.
China (GB Standards)	Use applicable GB/T SDS and classification requirements where marketed in China.
Middle East / GCC	Observe applicable GHS-aligned local requirements.



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TSCA (USA)	Listed on TSCA Chemical Substance Inventory. Verify SNUR status before US import or distribution.
Australia (AICS)	Check AICS inventory status before export or import.
Canada WHMIS / HPR	Classify and label under WHMIS 2015/HPR using Section 2 classification; Canadian sale may require bilingual SDS/label and ingredient disclosure.
Other Jurisdictions	Final market placement requires confirmation of inventory status, local OELs, transport class, waste code and restrictions. Regulatory scope limitation applies.

SECTION 16 OTHER INFORMATION

Prepared By	Supreme Petro Chemicals — Technical Department
SDS Standard	UN GHS Rev.11 (2025); OSHA HCS/HazCom; EU CLP/REACH Annex II; Canada WHMIS/HPR — 16-section format
Revision Date	24 June 2026
Version	3.0 (supersedes prior issues)
Key Sources	SPC product page; PubChem CID 2723947 (sodium acetate); ECHA REACH registration data; NIOSH/OSHA; CAMEO; public supplier SDS references; UN GHS Rev.11 Annex 4. Accessed June 2026.
Disclaimer	Information is given in good faith and believed accurate at issue. It does not constitute a specification or guarantee; the user is responsible for safe use, handling and compliance with all applicable laws and regulations.

FULL TEXT OF H-STATEMENTS

- None — Sodium Acetate (CAS 6131-90-4) is not classified as hazardous under GHS; no H-statements apply.