



SUPREME PETRO CHEMICALS

IMPORTER & DISTRIBUTOR OF INDUSTRIAL CHEMICALS ·
SINCE 1997

No. 145, 1st Floor, Raja Muthiah Road,
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admin@supremepetrochemicals.com

SAFETY DATA SHEET (SDS)

Tetrasodium EDTA *SDS*

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

CAS **64-02-8** EC **200-573-9** SIGNAL WORD **DANGER**

GHS05

Corrosive / Eye Damage

GHS07

Harmful / Irritant

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

Product Name	Tetrasodium EDTA
Product Type	Chelating agent
Chemical Family	EDTA sodium salt
CAS No.	64-02-8
EC No.	200-573-9
Intended Use	Industrial / professional use as listed on the SPC product page.
Restrictions on Use	Industrial / professional use only. Confirm grade suitability before regulated or consumer 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/tetrasodium-edta
SDS Revision	July 2026
SDS Version	3.1

SECTION 2 HAZARD IDENTIFICATION

Acute Tox. 4 (Oral); Eye Dam. 1

Signal Word **DANGER**



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GHS Pictograms	GHS05 (Corrosive / Eye Damage) GHS07 (Harmful / Irritant)
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HAZARD STATEMENTS

- H302 — Harmful if swallowed
- H318 — Causes serious eye damage

PRECAUTIONARY – PREVENTION

- P260 — Do not breathe dust or spray.
- P264 — Wash hands and exposed skin thoroughly after handling.
- P270 — Do not eat, drink or smoke when using this product.
- P273 — Avoid release to the environment.
- P280 — Wear protective gloves / eye protection / face protection.

PRECAUTIONARY – RESPONSE / STORAGE / DISPOSAL

- P301+P312 — IF SWALLOWED: Call a POISON CENTER or doctor if you feel unwell.
- P301+P330+P331 — IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
- P305+P351+P338 — IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing.
- P310 — Immediately call a POISON CENTER or doctor.
- P330 — Rinse mouth.
- P405 — Store locked up.
- P501 — Dispose of contents / container in accordance with local regulations.

SECTION 3 COMPOSITION / INFORMATION ON INGREDIENTS

COMPONENT	CAS NO.	EC NO.	% W/W	GHS CLASSIFICATION
Tetrasodium EDTA	64-02-8	200-573-9	100	Acute Tox. 4 (H302); Eye Dam. 1 (H318)

Full text of H-statements listed in Section 16.

SECTION 4 FIRST AID MEASURES

Inhalation	Move to fresh air if dust is inhaled. If respiratory irritation persists, seek medical attention.
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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 immediate medical attention – serious eye damage hazard.
Ingestion	Rinse mouth. Do not induce vomiting unless directed by medical personnel. Seek medical advice immediately.
Note to Physician	Treat symptomatically based on exposure route and product hazards. Eye Dam. 1 – ophthalmological assessment recommended after eye exposure.

SECTION 5 FIREFIGHTING MEASURES

Suitable Extinguishing Media	Water spray, foam, dry chemical powder or carbon dioxide suitable for surrounding fire.
Unsuitable Media	Direct high-pressure water jet where it may spread the material.
Specific Hazards	Tetrasodium EDTA is not flammable. Combustion or thermal decomposition may produce irritating fumes including carbon oxides and nitrogen oxides. Dust or fine particulate may form irritating atmospheres; avoid dust clouds.
Protective Equipment	Wear full protective clothing and self-contained breathing apparatus (SCBA).
Special Procedures	Evacuate non-essential personnel. Prevent contaminated fire-fighting run-off from entering drains and waterways. Containers may rupture when exposed to heat.

SECTION 6 ACCIDENTAL RELEASE MEASURES

Personal Precautions	Avoid dust generation. Wear appropriate PPE (see Section 8). Keep unnecessary persons away.
Environmental Precautions	Prevent entry into drains, sewers, soil and watercourses.
Containment / Clean-up	Avoid dust generation. Sweep or vacuum into labelled containers; prevent release to drains. Do not use compressed air for clean-up. Collect material into labelled containers for disposal through an approved waste contractor.
Reference to Sections	See Section 8 for PPE, Section 13 for disposal and Section 15 for regulatory information.



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SECTION 7 HANDLING AND STORAGE

Handling Precautions	Avoid dust inhalation and contact with eyes and skin. Use local exhaust ventilation where dust is generated. Keep containers tightly closed when not in use.
Hygiene	Wash hands and exposed skin after handling. Remove contaminated clothing before reuse. Do not eat, drink or smoke when using.
Storage Conditions	Store in original, tightly closed compatible containers in a dry, well-ventilated area. Inspect containers regularly for leakage or damage.
Storage Temperature	Ambient temperature (typically 15–35°C) unless supplier instructions specify otherwise.
Incompatible Materials	Strong oxidising agents (nitric acid, permanganates, peroxides, chlorine, halogens). Concentrated acids. Reactive with aluminium chloride (AlCl ₃) under elevated temperature.
Segregation	Segregate from food, drink, animal feed, oxidising agents and incompatible chemicals.

SECTION 8 EXPOSURE CONTROLS / PERSONAL PROTECTION

Occupational Exposure Limit	CAS 64-02-8 — No specific national OEL established in India, EU or USA (OSHA/NIOSH/ACGIH) at time of issue. Apply ALARA / good industrial hygiene practices. Verify current local OEL before use.
Engineering Controls	Use closed handling systems or local exhaust ventilation to control dust. Provide general dilution ventilation. Provide eyewash station and safety shower in the work area.
Respiratory Protection	If ventilation is inadequate or dust is generated above the ALARA level, use a NIOSH/EN-approved respirator with P95 / P100 / FFP2 or higher particulate filter. Use SCBA for emergencies.
Hand / Eye / Skin	Gloves: chemical-resistant (nitrile, butyl, neoprene or PVC); select for breakthrough time appropriate to task. Eyes/Face: chemical splash goggles (EN 166 / ANSI Z87.1); add face shield where splash risk is elevated. Body: chemical-resistant apron or coverall; safety footwear.

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance	White crystalline powder.
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Odour	Odourless or faint characteristic odour.
Odour Threshold	Not established.
pH	Alkaline; approximately 10.5–12.0 (1% aqueous solution). Confirm with supplier specification.
Melting / Freezing Point	Approximately 252°C (anhydrous form, decomposes on melting). Confirm with supplier specification.
Boiling Point / Range	Not applicable (solid decomposes before boiling at atmospheric pressure).
Flash Point	Not applicable — solid, not classified as flammable.
Auto-ignition Temperature	Not established.
Flammability Limits	Not established (solid; not considered flammable under normal conditions).
Vapour Pressure	Negligible at ambient temperature (solid).
Vapour Density (air = 1)	Not applicable (solid).
Relative Density	Bulk density approximately 0.65–0.90 g/cm ³ ; true density approximately 1.6 g/cm ³ . Confirm with supplier specification.
Solubility in Water	Freely soluble (approximately 400 g/L at 20°C).
Log Pow (Partition Coeff.)	Negative (highly hydrophilic); not established for commercial grade.
Evaporation Rate	Not applicable (solid).
Viscosity	Not applicable (solid).
VOC Content	Negligible (solid); assess under applicable local VOC rules.

SECTION 10 STABILITY AND REACTIVITY

Chemical Stability	Stable under recommended storage and handling conditions.
Conditions to Avoid	Avoid heat above 250°C, moisture ingress, contamination and incompatible materials.
Incompatible Materials	Strong oxidising agents (nitric acid, chlorine, permanganates, peroxides). Concentrated acids and halogens. Reactive with aluminium chloride (AlCl ₃) under elevated temperature — not a concern in ambient blending or storage.
Hazardous Decomposition	Carbon oxides and nitrogen oxides may be formed on thermal decomposition or combustion. May also produce irritating or toxic fumes.
Hazardous Reactions	Will not occur under normal storage and handling conditions when stored correctly.



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SECTION 11 TOXICOLOGICAL INFORMATION

Acute Oral Toxicity	Harmful if swallowed (H302). Acute Tox. 4 (Oral). LD ₅₀ (rat, oral) approximately 2000 mg/kg (literature value; confirm with supplier test data).
Acute Dermal Toxicity	Not classified. May cause mild skin irritation from repeated or prolonged contact with dust. Endpoint data requires supplier confirmation.
Acute Inhalation Toxicity	Not classified. Dust may irritate the respiratory tract. Endpoint data requires supplier confirmation.
Skin Irritation	Dust may cause mild irritation with prolonged or repeated exposure. Not classified as skin irritant under GHS based on reviewed data.
Eye Irritation	Causes serious eye damage (H318). Eye Dam. 1 — alkaline solutions are corrosive to eyes; immediate and thorough rinsing is essential.
Sensitisation	Not classified as a skin or respiratory sensitizer based on reviewed data.
Carcinogenicity	Not listed as a carcinogen by IARC, NTP or OSHA. Not classified.
Mutagenicity	Not classified. No evidence of mutagenicity / genotoxicity based on reviewed public data. Additional endpoint data requires supplier or test confirmation.

SECTION 12 ECOLOGICAL INFORMATION

Aquatic Toxicity	No acute or chronic aquatic classification identified in Section 2 from reviewed data. Tetrasodium EDTA is a strong chelating agent — avoid release to aquatic environments as it may mobilise heavy metals. Obtain verified ecotoxicity data if needed for registration or export.
Persistence / Degradability	EDTA and its sodium salts are poorly biodegradable under standard test conditions. They may persist in aquatic environments. Do not assume ready biodegradability without supplier or test confirmation.
Bioaccumulation	Low bioaccumulation potential (highly hydrophilic, negative log Pow). Verify with BCF data if required.
Mobility in Soil	Highly water-soluble; mobile in soil and groundwater. Prevent release to soil and groundwater.
Other Adverse Effects	EDTA chelates heavy metals and can mobilise them in soils and water systems. Avoid uncontrolled release. Manage releases and



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waste under applicable environmental regulations.

SECTION 13 DISPOSAL CONSIDERATIONS

Waste from Product	Dispose of contents through an authorised waste contractor in accordance with local regulations. Do not pour down drains, sewers or into watercourses.
Contaminated Packaging	Empty containers may retain residues; handle as hazardous until cleaned or disposed of. Return to supplier or dispose of via authorised contractor.
Indian Regulations	Follow applicable Hazardous Wastes (Management, Handling and Transboundary Movement) Rules and relevant State Pollution Control Board requirements.

SECTION 14 TRANSPORT INFORMATION

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

Tetrasodium EDTA (CAS 64-02-8) is not classified as a dangerous good under ADR, IMDG or IATA based on its GHS hazard profile. DG status should be confirmed against current edition criteria before each shipment, particularly for bulk or international transport. Use UN-certified, compatible, tightly closed containers appropriate to the product form.

SECTION 15 REGULATORY INFORMATION

EU / REACH / CLP	Classified and labelled according to GHS/CLP as listed in Section 2. Observe REACH registration, substance information and downstream-user obligations where applicable.
OSHA (USA)	Prepared in OSHA HCS / HazCom 2012 aligned 16-section SDS format. Verify TSCA inventory / SNUR status before US import or distribution.
India	Observe applicable Indian MSIHC Rules, Factories Act, Hazardous Wastes Rules, Environment Protection Act, CPCB guidelines, and State Pollution Control Board requirements.



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Other Jurisdictions	Canada WHMIS 2015 / HPR: classify and label per Section 2; bilingual SDS and ingredient disclosure may be required. China: apply GB/T SDS and classification requirements where marketed. GCC / Middle East: observe applicable GHS-aligned local requirements. Australia (AICS): check inventory status before import or export. Final market placement requires confirmation of local OELs, transport class, waste code and use restrictions.
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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)
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.

FULL TEXT OF H-STATEMENTS

- H302 — Harmful if swallowed
- H318 — Causes serious eye damage