



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)

EDTA Acid *SDS*

REV 3.1

29 JULY 2026

GHS REV.11 (2025)

CAS 60-00-4 EC 200-449-4 SIGNAL WORD **ANGER**

GHS07

Harmful / Irritant

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

Product Name	EDTA Acid
Product Type	Chelating agent
Chemical Family	Aminopolycarboxylic acid
CAS No.	60-00-4
EC No.	200-449-4
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/edta-acid
SDS Revision	July 2026
SDS Version	3.1

SECTION 2 HAZARD IDENTIFICATION

Eye Irrit. 2 (H319). Not classified for other GHS hazard classes based on reviewed source data.

Signal Word WARNING



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GHS Pictograms

GHS07 (Harmful / Irritant)

HAZARD STATEMENTS

- H319 — Causes serious eye irritation

PRECAUTIONARY – PREVENTION

- P260 — Do not breathe dust / fume / vapours.
- P264 — Wash hands and exposed skin thoroughly after handling.
- P271 — Use only outdoors or in a well-ventilated area.
- P273 — Avoid release to the environment.
- P280 — Wear protective gloves / eye protection / face protection.

PRECAUTIONARY – RESPONSE / STORAGE / DISPOSAL

- 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.
- P312 — Call a POISON CENTER or doctor if you feel unwell.
- P337+P313 — If eye irritation persists: Get medical advice / attention.
- 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
Ethylenediaminetetraacetic acid (EDTA Acid)	60-00-4	200-449-4	~100	Eye Irrit. 2; H319

Full text of H-statements listed in Section 16.

SECTION 4 FIRST AID MEASURES

Inhalation

Move person to fresh air immediately. If irritation of the respiratory tract persists or symptoms develop, seek medical attention.

Skin Contact

Remove contaminated clothing. Wash affected skin thoroughly with soap and water for at least 15 minutes. Seek medical attention if symptoms persist.



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Eye Contact	Rinse cautiously with clean water for at least 15 minutes, holding eyelids open. Remove contact lenses if present and easy to do. Seek medical attention immediately.
Ingestion	Rinse mouth with water. Do not induce vomiting unless directed by medical personnel. Seek medical advice. Never give anything by mouth to an unconscious person.
Note to Physician	Treat symptomatically based on exposure route and product hazards. No specific antidote known.

SECTION 5 FIREFIGHTING MEASURES

Suitable Extinguishing Media	Water spray, foam, dry chemical or carbon dioxide appropriate for surrounding fire conditions.
Unsuitable Media	Direct high-pressure water jet where it may spread the material.
Specific Hazards	EDTA acid is a combustible solid. Dust or fine particulate may form irritating atmospheres. Combustion may produce carbon oxides and irritating or toxic fumes. Containers may rupture when strongly heated.
Protective Equipment	Wear full protective clothing and self-contained breathing apparatus (SCBA). Evacuate non-essential personnel.
Special Procedures	Avoid generating dust clouds near ignition sources. Prevent contaminated run-off from entering drains and waterways.

SECTION 6 ACCIDENTAL RELEASE MEASURES

Personal Precautions	Wear appropriate PPE (see Section 8). Avoid dust generation. Keep unnecessary personnel away.
Environmental Precautions	Prevent entry into drains, sewers, soil and watercourses. Report significant spills to environmental authorities as required by local regulation.
Containment / Clean-up	Avoid dust generation. Sweep or vacuum carefully into labelled, sealed containers. Prevent release to drains. Collect material 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. Handle in a well-ventilated area. Keep containers tightly closed when not in use.
Hygiene	Wash hands and exposed skin after handling. Remove and launder contaminated clothing before reuse. Do not eat, drink or smoke in areas where this material is handled.
Storage Conditions	Store in original, tightly closed compatible containers in a dry, cool, well-ventilated area. Inspect containers regularly for leakage or damage.
Storage Temperature	Ambient temperature (typically 15–30°C) unless supplier instructions specify otherwise.
Incompatible Materials	Strong oxidising agents (nitric acid, chlorine, permanganates, peroxides); concentrated acids and halogens. Avoid contact with aluminium chloride at elevated temperatures.
Segregation	Segregate from food, drink, animal feed and incompatible chemicals.

SECTION 8 EXPOSURE CONTROLS / PERSONAL PROTECTION

Occupational Exposure Limit	EDTA Acid (CAS 60-00-4): No specific OEL established by OSHA, NIOSH, ACGIH, EU or India as of date of issue. Apply ALARA / good industrial hygiene practice. Verify current local OEL with regional authority before use.
Engineering Controls	Use local exhaust ventilation or closed-system handling to control dust generation. Ensure adequate general ventilation. Provide eyewash stations and emergency safety showers where this material is handled.
Respiratory Protection	If ventilation is inadequate to control dust below acceptable levels, use a NIOSH/EN-approved particulate respirator (minimum P95/FFP2 or P100/FFP3 for fine dust). Use SCBA for emergency situations.
Hand / Eye / Skin	Hands: Wear compatible chemical-resistant gloves (nitrile, butyl, neoprene or PVC); select for breakthrough time and task duration. Eyes/Face: Wear EN 166 / ANSI Z87.1 chemical splash goggles; add face shield where dust or splash risk exists. Skin/Body: Wear chemical-resistant clothing or apron and safety footwear.



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SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance	White crystalline powder.
Odour	Characteristic (faint); essentially odourless.
Odour Threshold	Not established.
pH	Acidic in aqueous suspension (approximately 2.0–3.5 at 1% w/v, 25°C).
Melting / Freezing Point	Approx. 240°C (decomposes; does not melt cleanly). See supplier specification.
Boiling Point / Range	Not applicable (decomposes before boiling). See supplier specification.
Flash Point	Not applicable (solid; not classified as flammable).
Auto-ignition Temperature	Not established.
Flammability Limits	Not established (combustible solid; dust cloud explosion limits not formally published for this substance).
Vapour Pressure	Negligible at ambient temperature (solid).
Vapour Density (air = 1)	Not established (negligible vapour pressure).
Relative Density	Approx. 0.5–0.7 g/cm ³ (bulk); true density approx. 1.65 g/cm ³ . See supplier specification.
Solubility in Water	Slightly soluble in pure water (~0.5 g/L at 25°C); freely soluble as sodium/ammonium salts.
Log Pow (Partition Coeff.)	Not established for the supplied commercial grade; log Pow reported as –3.86 (ECHA) for the pure acid.
Evaporation Rate	Not applicable (solid).
Viscosity	Not applicable (solid). See supplier specification for dissolved-grade viscosity if relevant.
VOC Content	Negligible / not applicable (solid). Assess under applicable local VOC rules if dissolved.

SECTION 10 STABILITY AND REACTIVITY

Chemical Stability	Stable under recommended storage and handling conditions.
Conditions to Avoid	Avoid heat (above decomposition temperature), contamination with incompatible materials, and generation of fine dust clouds near ignition sources.
Incompatible Materials	Strong oxidising agents (nitric acid, chlorine, permanganates, peroxides); concentrated acids and halogens. Reactive with



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aluminium chloride (AlCl_3) under elevated temperature — not a concern in ambient blending or storage.

Hazardous Decomposition	Thermal decomposition above $\sim 240^\circ\text{C}$ and combustion may yield carbon oxides (CO , CO_2) and irritating or toxic nitrogen oxide fumes.
Hazardous Reactions	Will not occur under normal storage conditions when handled correctly. No hazardous polymerisation.

SECTION 11 TOXICOLOGICAL INFORMATION

Acute Oral Toxicity	LD_{50} (rat, oral): 2,000–2,500 mg/kg (literature values; supplier/test confirmation recommended). Low acute oral toxicity at expected industrial exposure levels.
Acute Dermal Toxicity	No significant dermal toxicity reported at typical exposure levels. May cause mild irritation on prolonged contact.
Acute Inhalation Toxicity	Dust may irritate the respiratory tract. No specific LC_{50} value confirmed from reviewed public SDS data; apply dust control measures.
Skin Irritation	Not classified as a skin irritant under GHS based on reviewed data. Prolonged or repeated contact may cause mild irritation; wash promptly.
Eye Irritation	Classified Eye Irrit. 2 (H319) — Causes serious eye irritation. Dust contact with eyes requires immediate irrigation.
Sensitisation	Not classified as a skin or respiratory sensitiser based on reviewed data.
Carcinogenicity	Not classified as a carcinogen by IARC, NTP, ACGIH or EU CLP based on reviewed data.
Mutagenicity	Not classified as a mutagen / genotoxic substance based on reviewed data. Additional endpoint data requires supplier/test confirmation.

SECTION 12 ECOLOGICAL INFORMATION

Aquatic Toxicity	EDTA acid is a strong chelating agent that can mobilise heavy metals in aquatic environments. Acute aquatic hazard not formally classified in Section 2 from reviewed data; however, release to water should be avoided. Supplier or ECHA ecotoxicity data should be obtained if required for registration or export.
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Persistence / Degradability	EDTA is generally considered poorly biodegradable under standard OECD test conditions. Photodegradation may occur in surface waters under UV light. Do not assume ready biodegradability without verified data.
Bioaccumulation	Low bioaccumulation potential (log Pow $\approx$ -3.86; BCF likely low). Verified BCF data from supplier recommended for regulatory submissions.
Mobility in Soil	Moderate to high mobility in soil due to water solubility of its salts; may leach to groundwater. Prevent release to soil and groundwater.
Other Adverse Effects	EDTA can chelate and mobilise trace metals, potentially affecting metal speciation in aquatic and soil environments. Avoid uncontrolled environmental release. Manage releases and waste under applicable local environmental regulations.

SECTION 13 DISPOSAL CONSIDERATIONS

Waste from Product	Dispose of contents and contaminated material through an authorised waste contractor in accordance with applicable local, state and national regulations. Do not discharge to drains, surface water or soil.
Contaminated Packaging	Empty containers may retain residues; treat as potentially hazardous until cleaned or formally decontaminated. Dispose of or recycle via approved contractor.
Indian Regulations	Follow requirements of the Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016 (as amended), applicable Pollution Control Board orders, and other applicable Indian environmental and waste-disposal legislation.

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 regulated	Not regulated	Not regulated
Marine Pollutant	N/A	No	N/A



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EDTA Acid (CAS 60-00-4) is not classified as a dangerous good under ADR, IMDG or IATA-DGR at the time of issue. Use approved, compatible packaging. Verify current carrier and regulatory requirements before each shipment, as classifications may change.

SECTION 15 REGULATORY INFORMATION

EU / REACH / CLP

EDTA Acid is subject to REACH registration requirements for manufacture or import into the EU above 1 tonne/year. Classified and labelled according to CLP Regulation (EC) No 1272/2008 consistent with Section 2 classification (Eye Irrit. 2; H319). Observe REACH and CLP requirements where applicable.

OSHA (USA)

Prepared in OSHA HCS / HazCom 2012 aligned 16-section SDS format. Verify TSCA inventory or SNUR status before US import or distribution; mixture / UVCB status may require supplier confirmation.

India

Observe applicable requirements under the Manufacture, Storage and Import of Hazardous Chemicals (MSIHC) Rules, 1989 (as amended); the Environment Protection Act, 1986; Hazardous and Other Wastes Rules, 2016; applicable State Pollution Control Board norms; and Factories Act, 1948 for workplace handling.

Other Jurisdictions

Canada WHMIS 2015 / HPR: Classify and label under Section 2 classification; Canadian sale may require bilingual SDS / label and ingredient disclosure. China: Apply GB/T SDS and classification requirements where marketed. Australia: Check AICS inventory status before import or distribution. Middle East / GCC: Observe GHS-aligned local requirements. Final market placement requires confirmation of inventory status, local OELs, transport class, waste code and any use restrictions.

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.



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FULL TEXT OF H-STATEMENTS

- H319 — Causes serious eye irritation
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