



SUPREME PETRO CHEMICALS

IMPORTER & DISTRIBUTOR OF INDUSTRIAL CHEMICALS ·
SINCE 1997

No. 145, 1st Floor, Raja Muthiah Road,
Periyamet, Chennai – 600003, India
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admin@supremepetrochemicals.com

SAFETY DATA SHEET (SDS)

Disodium EDTA *SDS*

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

CAS **6381-92-6** EC **205-358-3** SIGNAL WORD **DANGER**

GHS07

Harmful / Irritant

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

Product Name	Disodium EDTA
Product Type	Chelating agent
Chemical Family	EDTA sodium salt
CAS No.	6381-92-6
EC No.	205-358-3
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/disodium-edta
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.

GHS Classification Eye Irrit. 2 (H319)



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Signal Word	WARNING
GHS Pictograms	GHS07 (Harmful / Irritant)

HAZARD STATEMENTS

- H319 — Causes serious eye irritation

PRECAUTIONARY – PREVENTION

- P260 — Do not breathe dust / fume / gas / mist / vapours / spray.
- P264 — Wash hands and exposed skin thoroughly after handling.
- P271 — Use only outdoors or in a well-ventilated area.
- 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
Disodium EDTA	6381-92-6	205-358-3	100	Eye Irrit. 2 — H319

Full text of H-statements listed in Section 16.

SECTION 4 FIRST AID MEASURES

Inhalation	Move to fresh air if dust is inhaled. Rest in a comfortable position for breathing. Seek medical attention if irritation or discomfort persists.
Skin Contact	Remove contaminated clothing. Wash affected skin thoroughly with soap and water. Seek medical attention if symptoms persist.



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Eye Contact	Rinse cautiously with water for at least 15 minutes. Remove contact lenses if present and easy to do. Continue rinsing. Seek immediate medical attention.
Ingestion	Rinse mouth. Do not induce vomiting unless directed by medical personnel. Seek medical advice.
Note to Physician	Treat symptomatically based on exposure route and product hazards.

SECTION 5 FIREFIGHTING MEASURES

Suitable Extinguishing Media	Use water spray, foam, dry chemical or carbon dioxide suitable for surrounding fire.
Unsuitable Media	Direct high-pressure water jet where it may spread the material.
Specific Hazards	Dust or fine particulate may form irritating atmospheres at elevated temperatures. Combustion may produce irritating or toxic fumes including carbon oxides and nitrogen oxides. Containers may rupture when heated.
Protective Equipment	Wear full protective clothing and self-contained breathing apparatus (SCBA). Evacuate non-essential personnel.
Special Procedures	Prevent contaminated fire-fighting run-off from entering drains and waterways.

SECTION 6 ACCIDENTAL RELEASE MEASURES

Personal Precautions	Avoid dust generation. Use appropriate PPE (see Section 8). Keep unnecessary personnel away.
Environmental Precautions	Prevent entry into drains, sewers, soil and watercourses.
Containment / Clean-up	Avoid dust generation. Sweep or vacuum 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.

SECTION 7 HANDLING AND STORAGE

Handling Precautions	Avoid dust inhalation and contact with eyes and skin. Use local exhaust ventilation where dust generation is likely. Store dry, closed
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and away from incompatible materials.

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 in a cool, dry, well-ventilated area.
Storage Temperature	Ambient temperature (unless supplier instructions specify otherwise).
Incompatible Materials	Strong oxidising agents (nitric acid, chlorine, permanganates, peroxides). Concentrated acids and halogens. See Section 10 for details.
Segregation	Segregate from food, drink, animal feed and incompatible chemicals.

SECTION 8 EXPOSURE CONTROLS / PERSONAL PROTECTION

Occupational Exposure Limit	No specific OEL established for Disodium EDTA (CAS 6381-92-6) under OSHA/NIOSH/ACGIH/EU/India at time of issue. Apply ALARA / good industrial hygiene practice. Verify with supplier and applicable regional authority.
Engineering Controls	Use closed handling systems or local exhaust ventilation (LEV) to control dust. Provide general dilution ventilation where LEV is not practicable.
Respiratory Protection	If dust is generated and ventilation is inadequate, use a NIOSH/EN approved particulate respirator (P95/P100 or FFP2/FFP3). Use SCBA for emergencies or unknown concentrations.
Hand / Eye / Skin	Hands: wear compatible chemical-resistant gloves (nitrile, butyl, neoprene or PVC); select appropriate thickness and breakthrough time for the task. Eyes: wear EN 166 / ANSI Z87.1 chemical splash goggles; add face shield for splash risk. Skin: wear chemical-resistant clothing or apron and safety footwear. Provide eyewash station and safety shower where appropriate.

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance	White crystalline powder.
Odour	Characteristic (slight).



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Odour Threshold	Not established.
pH	Approx. 4–6 (1% aqueous solution).
Melting / Freezing Point	Approx. 252°C (decomposes; confirm with supplier specification).
Boiling Point / Range	Not applicable (decomposes before boiling).
Flash Point	Not applicable (non-flammable solid).
Auto-ignition Temperature	Not established.
Flammability Limits	Not applicable.
Vapour Pressure	Negligible at ambient temperature (solid).
Vapour Density (air = 1)	Not applicable (solid).
Relative Density	Approx. 0.7–0.9 g/cm ³ (bulk; confirm with supplier specification).
Solubility in Water	Soluble (approx. 100 g/L at 20°C).
Log Pow (Partition Coeff.)	Not established for supplied 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 decomposition temperature, ignition sources, contamination and contact with incompatible materials. Avoid generating dust.
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 under normal ambient storage conditions.
Hazardous Decomposition	Carbon oxides, nitrogen oxides and irritating or toxic fumes may be formed upon combustion or thermal decomposition.
Hazardous Reactions	Will not occur under normal storage and handling conditions.

SECTION 11 TOXICOLOGICAL INFORMATION

Acute Oral Toxicity	LD50 (rat, oral): approx. 2,000–4,000 mg/kg (reported literature range; confirm with supplier). Low acute oral toxicity.
Acute Dermal Toxicity	Not classified. Limited data; avoid prolonged skin contact.
Acute Inhalation Toxicity	Not classified. Dust inhalation may cause irritation to the respiratory tract. Avoid dust generation.



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Skin Irritation	Not classified as a skin irritant based on reviewed data. Dust may cause mild irritation with prolonged contact.
Eye Irritation	Eye Irrit. 2 (H319) — Causes serious eye irritation. Dust contact with eyes requires prompt irrigation.
Sensitisation	Not classified as a skin or respiratory sensitiser based on reviewed data.
Carcinogenicity	Not listed as a carcinogen by IARC, NTP, OSHA or EU CLP at time of issue.
Mutagenicity	Not classified. Endpoint-specific data: see Section 2 classification and Section 3. Additional numeric data requires supplier/test confirmation.

SECTION 12 ECOLOGICAL INFORMATION

Aquatic Toxicity	No acute aquatic classification identified in Section 2 from reviewed data. Disodium EDTA is known to complex heavy metal ions and may mobilise them in aquatic environments; avoid uncontrolled release. Obtain supplier / ECHA ecotoxicity data where required for registration or export.
Persistence / Degradability	Disodium EDTA is generally considered poorly biodegradable under standard test conditions; however, environmental degradation can occur under aerobic conditions over longer timeframes. Confirm with supplier or ECHA data.
Bioaccumulation	Low bioaccumulation potential (log Pow not established; expected low). Verify with supplier BCF data where required.
Mobility in Soil	Water-soluble; potential for leaching to groundwater. Prevent release to soil and groundwater.
Other Adverse Effects	EDTA can chelate essential metal ions in aquatic systems and affect metal bioavailability. Avoid uncontrolled environmental release. 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 regulations. Do not pour into drains or watercourses.
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Contaminated Packaging	Empty containers may retain residues; handle as potentially hazardous until cleaned or disposed of through an approved route.
Indian Regulations	Comply with the Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016 (as amended) and applicable 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	N/A	No	N/A

Disodium EDTA is not classified as a dangerous good under ADR, IMDG or IATA at time of issue. Transport in approved, tightly closed compatible containers with product name and supplier information labelled. Verify current carrier rules before each shipment.

SECTION 15 REGULATORY INFORMATION

EU / REACH / CLP	Observe REACH registration requirements where applicable. Classified and labelled according to EU CLP Regulation (EC) No 1272/2008 and the product-specific GHS classification listed in Section 2.
OSHA (USA)	Prepared in OSHA HCS / HazCom aligned 16-section SDS format. Verify TSCA inventory and SNUR status before US import or distribution.
India	Observe applicable Indian MSIHC Rules, 1989 (as amended), Factories Act, Environment (Protection) Rules, Hazardous Waste Management Rules, and State Pollution Control Board requirements.
Other Jurisdictions	Canada WHMIS 2015 / HPR: Classify and label using Section 2 classification; Canadian sale may require bilingual SDS/label and ingredient disclosure. China: Apply applicable GB/T SDS and classification requirements where marketed. Australia (AICS): Check inventory status before export or import. Final market placement requires confirmation of local inventory status, OELs, transport classification, waste codes and 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

- H319 — Causes serious eye irritation