



SDS

SDS-ASC-8039

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SAFETY DATA SHEET

EDTA- Na_2 (Disodium EDTA) | Catalog No. ASC-8039 | CAS 6381-92-6

Prepared in accordance with GHS classification and labelling requirements (Australian regulatory format, Safe Work Australia)

Section 1: Identification

Product Name	EDTA- Na_2 (Disodium EDTA)
Catalog Number	ASC-8039
CAS Number	6381-92-6
Synonyms	Disodium ethylenediaminetetraacetate dihydrate, EDTA disodium salt, Edetate disodium, Sequestrene Na2
Recommended Use	Laboratory and industrial chelating reagent
Uses Advised Against	Food, drug, pharmaceutical, or medical use
Manufacturer	AuSaMicS Pty Ltd, Melbourne, Victoria, Australia
Emergency Telephone	Refer to company contact details / Poisons Information Centre 13 11 26 (Australia)

Section 2: Hazard(s) Identification

Classification: Not classified as hazardous according to the Globally Harmonized System (GHS) criteria for acute toxicity based on available data; may cause mild irritation to eyes and skin, and respiratory irritation from dust, on prolonged or repeated exposure. Confirm current classification against the substance's official SDS/regulatory listing before use.



- Signal Word: Warning
- Hazard Statements: H319 - Causes serious eye irritation (typical for this substance class; confirm on current SDS)
- Precautionary Statements: P264 - Wash hands thoroughly after handling; P280 - Wear protective gloves/eye protection; P305+P351+P338 - IF IN EYES: rinse cautiously with water for several minutes

Section 3: Composition / Information on Ingredients

Component	CAS Number	Concentration
Disodium EDTA dihydrate	6381-92-6	≥ 99.0%

Section 4: First-Aid Measures

- Eye contact: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing. Seek medical attention if irritation persists.
- Skin contact: Wash with plenty of soap and water. Remove contaminated clothing.
- Inhalation: Remove to fresh air. Seek medical attention if breathing difficulty occurs.
- Ingestion: Rinse mouth. Do not induce vomiting. Seek medical attention.

Section 5: Fire-Fighting Measures

- Suitable extinguishing media: Water spray, dry chemical, carbon dioxide, foam
- Unsuitable media: None known
- Hazardous combustion products: Oxides of carbon and nitrogen, sodium oxides

Section 6: Accidental Release Measures

- Personal precautions: Avoid dust formation; wear appropriate PPE
- Environmental precautions: Avoid release to waterways where possible
- Containment/clean-up: Sweep or vacuum spilled material; avoid generating dust; place in suitable container for disposal

Section 7: Handling & Storage

- Handling: Use with adequate ventilation; avoid dust formation; avoid contact with eyes and skin
- Storage: Store in a cool, dry place in tightly closed original container; protect from moisture; keep away from strong oxidising agents

Section 8: Exposure Controls / Personal Protection

- Exposure limits: No specific workplace exposure standard established for this substance in Australia; apply general dust exposure controls
- Engineering controls: Use local exhaust ventilation where dust may be generated
- PPE: Safety glasses, chemical-resistant gloves, dust mask/respirator if handling large quantities

Section 9: Physical & Chemical Properties

Appearance	White crystalline powder
Odour	Odourless
pH (1% solution, 25°C)	4.0 – 6.0
Melting point (decomposition)	≈ 248°C (lit.)
Solubility in water	Freely soluble
Molecular weight	372.24 g/mol (dihydrate)

Section 10: Stability & Reactivity

- Chemical stability: Stable under recommended storage conditions
- Incompatible materials: Strong oxidising agents
- Hazardous decomposition products: Oxides of carbon and nitrogen upon combustion

Section 11: Toxicological Information

Acute toxicity data for the disodium EDTA dihydrate form indicates low acute oral toxicity in animal studies. Not classified as a carcinogen by ACGIH, IARC, NTP, or NICNAS. May cause mild, transient irritation to eyes, skin, and respiratory tract on direct or prolonged contact. Consult the most current published toxicological data before relying on this summary.

Section 12: Ecological Information

- Persistence/degradability: EDTA and its salts are poorly biodegradable under aerobic conditions
- Bioaccumulation: Low potential for bioaccumulation
- Aquatic toxicity: Low acute toxicity to aquatic organisms reported in literature; avoid unnecessary release to the environment

Section 13: Disposal Considerations

Dispose of in accordance with local, state, and federal (Australian) regulations. Do not discharge directly into waterways. Use a licensed waste contractor for bulk disposal.

Section 14: Transport Information

UN Number	Not regulated as a dangerous good for transport
Proper Shipping Name	Not applicable
Transport Hazard Class	Not applicable
Packing Group	Not applicable

Section 15: Regulatory Information

Listed on the Australian Inventory of Industrial Chemicals (AIIC). Classified and labelled in accordance with the Globally Harmonized System (GHS) as adopted under the Work Health and Safety (WHS) Regulations. Users must comply with all applicable state, territory, and federal regulations.

Section 16: Other Information

This Safety Data Sheet has been prepared by AuSaMicS Pty Ltd based on currently available data and is believed to be accurate as of the date of issue. It does not constitute a guarantee of any specific property. Users should evaluate suitability for their specific application and comply with all applicable regulations.

Revision: 1.0

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