



Infosafe No™ 1CH2O Issue Date : October 2020 RE-ISSUED by CHEMSUPP

Product Name **ETHYLENEDIAMINETETRAACETIC ACID Disodium salt dihydrate**

Classified as hazardous

1. Identification

GHS Product Identifier	ETHYLENEDIAMINETETRAACETIC ACID Disodium salt dihydrate	
Company Name	CHEM-SUPPLY PTY LTD (ABN 19 008 264 211)	
Address	38 - 50 Bedford Street GILLMAN SA 5013 Australia	
Telephone/Fax Number	Tel: (08) 8440-2000	
Emergency phone number	CHEMCALL 1800 127 406 (Australia) / +64-4-917-9888 (International)	
E-mail Address	www.chemsupply.com.au	
Recommended use of the chemical and restrictions on use	Detergents, liquid soaps, shampoos, agricultural chemical sprays, metal cleaning and plating, metal chelating agent, treatment of chlorosis, decontamination of radioactive surfaces, metal deactivator in vegetable oils, oil emulsions and pharmaceutical products, anticoagulant of blood, eluting agent in ion exchange, antioxidant, textiles, clarification of liquids, spectrophotometric titration, aid in reducing blood cholesterol, food preservative, medicine to treat lead poisoning and calcinosis, removing calcium insoluble deposits of calcium and magnesium soaps and analytical chemistry and laboratory reagent.	
Other Names	<u>Name</u>	<u>Product Code</u>
	ETHYLENEDIAMINETETRAACETIC ACID Disodium salt dihydrate AR	EA023
	Ethylenedinitrilotetraacetic acid disodium salt dihydrate	
	EDTA Disodium salt	
	Ethylenebis(iminodiacetic acid) disodium salt	
	Edetate disodium	

Other Information

Chem-Supply Pty Ltd does not warrant that this product is suitable for any use or purpose. The user must ascertain the suitability of the product before use or application intended purpose. Preliminary testing of the product before use or application is recommended. Any reliance or purported reliance upon Chem-Supply Pty Ltd with respect to any skill or judgement or advice in relation to the suitability of this product of any purpose is disclaimed. Except to the extent prohibited at law, any condition implied by any statute as to the merchantable quality of this product or fitness for any purpose is hereby excluded. This product is not sold by description. Where the provisions of Part V, Division 2 of the Trade Practices Act apply, the liability of Chem-Supply Pty Ltd is limited to the replacement of supply of equivalent goods or payment of the cost of replacing the goods or acquiring equivalent goods.

2. Hazard Identification

GHS classification of the substance/mixture	Acute Toxicity - Inhalation: Category 4 STOT Repeated Exposure: Category 2
Signal Word (s)	WARNING
Hazard Statement (s)	H332 Harmful if inhaled. H373 May cause damage to organs (Respiratory Tract) through prolonged or repeated exposure.
Pictogram (s)	Exclamation mark, Health hazard





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Precautionary statement – Prevention	P260 Do not breathe dust/fume/gas/mist/vapours/spray. P271 Use only outdoors or in a well-ventilated area.
Precautionary statement – Response	P304+P340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. P312 Call a POISON CENTER or doctor/physician if you feel unwell. P314 Get medical advice/attention if you feel unwell.
Precautionary statement – Disposal	P501 Dispose of contents/container to an approved waste disposal plant

3. Composition/information on ingredients

Ingredients	Name	CAS	Proportion
	EDTA disodium salt	6381-92-6	100 %

4. First-aid measures

Inhalation	If inhaled, remove from contaminated area to fresh air immediately. Apply artificial respiration if not breathing. If breathing is difficult, give oxygen. Consult a physician.
Ingestion	Rinse mouth thoroughly with water immediately, repeat until all traces of product have been removed. DO NOT INDUCE VOMITING. Seek medical advice if effects persist.
Skin	Immediately remove contaminated clothing and wash affected area with water for at least 15 minutes. Ensure contaminated clothing is washed before re-use.
Eye contact	Immediately irrigate with copious quantity of water for at least 15 minutes. Eyelids to be held open. Seek medical advice if effects persist.
First Aid Facilities	Maintain eyewash fountain and safety shower in work area.
Advice to Doctor	Treat symptomatically based on judgement of doctor and individual reactions of the patient.
Other Information	For advice, contact a Poisons Information Centre (Phone eg Australia 13 1126; New Zealand 0800 764 766) or a doctor at once.

5. Fire-fighting measures

Hazards from Combustion Products	May liberate toxic fumes in fire such as oxides of carbon and nitrogen.
Specific Methods	Small fire: Use dry chemical, CO ₂ , water spray or foam. Large fire: Use water spray, fog or foam.
Precautions in connection with Fire	Wear SCBA and structural firefighter's uniform.

6. Accidental release measures

Personal Precautions	Avoid substance contact. Avoid generation of dusts: do not inhale dusts. Ensure supply of fresh air in enclosed rooms.
Personal Protection	Wear protective clothing specified for normal operations (see Section 8)
Clean-up Methods - Small Spillages	Sweep up (avoid generating dust) and remove to a suitable, clearly labelled container for disposal in accordance with local regulations.

7. Handling and storage

Precautions for Safe Handling	Avoid substance contact and generation and inhalation of dust.
Conditions for safe storage, including any incompatibilities	Store away from oxidizing agents. Keep container tightly closed and dry Store at room temperature (15 - 25 °C).

8. Exposure controls/personal protection

Other Exposure Information	No exposure standards have been established for this product by Safe Work Australia, however, the TWA exposure standard for dusts/mists not otherwise specified is 10 mg/m ³ . All atmospheric contamination should be kept to as low
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Appropriate engineering controls	a level as is workable. Maintain the concentrations values below the TWA. This may be achieved by process modification, use of local exhaust ventilation, capturing substances at the source, or other methods.
Respiratory Protection	Where ventilation is not adequate, respiratory protection may be required. Avoid breathing dust, vapours or mists. Respiratory protection should comply with AS 1716 - Respiratory Protective Devices and be selected in accordance with AS 1715 - Selection, Use and Maintenance of Respiratory Protective Devices. Filter capacity and respirator type depends on exposure levels. In event of emergency or planned entry into unknown concentrations a positive pressure, full-facepiece SCBA should be used. If respiratory protection is required, institute a complete respiratory protection program including selection, fit testing, training, maintenance and inspection.
Eye Protection	The use of a face shield, chemical goggles or safety glasses with side shield protection as appropriate. Must comply with Australian Standards AS 1337 and be selected and used in accordance with AS 1336.
Hand Protection	Wear gloves of impervious material conforming to AS/NZS 2161: Occupational protective gloves - Selection, use and maintenance. Final choice of appropriate glove type will vary according to individual circumstances. This can include methods of handling, and engineering controls as determined by appropriate risk assessments. Avoid skincontact when removing gloves from hands, do not touch the gloves outer surface. Dispose of gloves as hazardous waste.
Personal Protective Equipment	Personal protective equipment should not solely be relied upon to control risk and should only be used when all other reasonably practicable control measures do not eliminate or sufficiently minimise risk. Guidance in selecting personal protective equipment can be obtained from Australian, Australian/New Zealand or other approved standards.
Footwear	Safety boots in industrial situations is advisory, foot protection should comply with AS 2210, Occupational protective footwear - Guide to selection, care and use.
Body Protection	Flame retardant antistatic protective clothing. Clean clothing or protective clothing should be worn, preferably with an apron. Clothing for protection against chemicals should comply with AS 3765 Clothing for Protection Against Hazardous Chemicals.
Hygiene Measures	Always wash hands before smoking, eating or using the toilet. Wash contaminated clothing and other protective equipment before storing or re-using.

9. Physical and chemical properties

Form	Solid
Appearance	White powder or crystals.
Odour	Odourless.
Melting Point	248-255 °C (decomposes)
Boiling Point	Not applicable (decomposition).
Solubility in Water	Soluble.
pH	4 - 5 (50 g/l H ₂ O, 20 °C)
Flammability	Combustible.
Molecular Weight	372.24
Other Information	Has characteristics of weak acid, displacing CO ₂ from carbonates and reacting with metals to form hydrogen.

10. Stability and reactivity

Chemical Stability	Stable under normal use conditons.
Conditions to Avoid	High temperatures above 150 °C, releases water of crystallisation when heated.



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Incompatible Materials	Strong oxidisers, aluminium, nickel, zinc, copper and copper alloys.
Hazardous Decomposition Products	May liberate toxic fumes in fire such as oxides of carbon and nitrogen.
Hazardous Polymerization	Will not occur.

11. Toxicological Information

Acute Toxicity - Oral	LD50 Rat: 2,800 mg/kg - OECD Test Guideline 401
Ingestion	Disturbed electrolyte balance. After swallowing of large amounts: Damage of kidneys.
Inhalation	Harmful if inhaled. Causes slight irritation to the respiratory tract. Symptoms include coughing and sneezing.
Skin	May causes mild irritation when in contact with skin. Symptoms may include reddening or inflammation on prolonged contact.
Eye	Contact may cause transient irritation.
Respiratory sensitisation	Not classified based on available information.
Skin Sensitisation	Not classified based on available information.
Germ cell mutagenicity	Not classified based on available information.
Carcinogenicity	Not listed in the IARC Monographs.
Reproductive Toxicity	Not classified based on available information.
STOT-single exposure	Not classified based on available information.
STOT-repeated exposure	STOT Repeated Exposure: Category 2 H373 May cause damage to organs (Respiratory Tract) through prolonged or repeated exposure.
Mutagenicity	No evidence of mutagenic effects.

12. Ecological information

Persistence and degradability	Readily biodegradable.
Environmental Protection	Do not allow to enter waters, waste water, or soil!
Acute Toxicity - Fish	LC50 <i>Poecilia reticulata</i> (guppy): ca. 320 mg/l; 96 h (anhydrous substance) (IUCLID)

13. Disposal considerations

Disposal Considerations	Whatever cannot be saved for recovery or recycling should be disposed of according to relevant local, state and federal government regulations.
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14. Transport information

Transport Information	Not classified as a Dangerous Good according to the Australian Code for the Transport of Dangerous Goods by Road and Rail.
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15. Regulatory information

Regulatory Information	All of the significant ingredients in this formulation are compliant with Australian Industrial Chemicals Introduction Scheme (AICIS) regulations. Not listed under WHS Regulation 2011, Schedule 10 - Prohibited carcinogens, restricted carcinogens and restricted hazardous chemicals.
Poisons Schedule	Not Scheduled



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16. Other Information**Literature References** 'Standard for the Uniform Scheduling of Medicines and Poisons .', Commonwealth of Australia.

National Road Transport Commission, 'Australian Code for the Transport of Dangerous Goods by Road and Rail 7th. Ed.'.

Safe Work Australia, 'National Code of Practice for the Preparation of Safety Data Sheets for Hazardous Chemicals'.

Standards Australia, 'SAA/SNZ HB 76:2010 Dangerous Goods - Initial Emergency Response Guide', Standards Australia/Standards New Zealand.

Safe Work Australia, 'Hazardous Chemical Information System'.

Safe Work Australia, 'National Code of Practice for the Labelling of Safe Work Hazardous Substances'.

Safe Work Australia, 'National Exposure Standards for Atmospheric Contaminants in the Occupational Environment'.

Contact Person/Point Paul McCarthy Ph. (08) 8440 2000 **DISCLAIMER STATEMENT:**

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Empirical Formula & Structural Formula C10H14N2O8Na2.2H2O

...End Of MSDS...

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