



PRICE CHEMICALS PTY LIMITED

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MATERIAL SAFETY DATA SHEET

1. IDENTIFICATION

Revision Date

April 2005

Product Name

ETHYLENEDIAMINE TETRAACETIC ACID TETRASODIUM SALT

Other Names

TETRASODIUM EDTA

TETRASODIUM ETHYLENEDIAMINE TETRAACETATE

Complexing agents for the chemical industry. General-purpose chelating agent.

Organisation	Location	Telephone	Ask For
	2 Swettenham Road Minto NSW 2566 Australia	+61 2 97333000	
Redox Pty Ltd	11 Mayo Road Wiri Auckland 2104 New Zealand	+64 9 2506222	Technical Officer
Poison Information Centre	Westmead NSW Australia	131126 1800-251525	
	Australia	1800-127406	
Chemcall	New Zealand	0800-243622	
National Poisons Centre	New Zealand	0800-764766	

2. HAZARD IDENTIFICATION

Hazardous according to criteria of NOHSC/ASCC.

HARMFUL IRRITANT

Risk Phrases

R22 Harmful if swallowed.

R36 Irritating to eyes.

R38 Irritating to skin.

Safety Phrases

S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

S37 Wear suitable gloves.

S24/25 Avoid contact with skin and eyes.

**ERMA New Zealand
Approval Code**

186503

6.1D 6.4A 9.3C

This Material Safety Data Sheet may not provide exhaustive guidance for all HSNO Controls assigned to this substance. The ERMA Web Site should be consulted for a full list of triggered controls and cited regulations.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients

Chemical Entity	CAS Number	Proportions (%)
ETHYLENEDIAMINETETRAACETIC ACID, TETRASODIUM SALT	[64-02-8]	60-100
INGREDIENTS DETERMINED NOT TO BE DANGEROUS		10-30

4. FIRST AID MEASURES

Description of necessary measures according to routes of exposure.

Swallowed

Do NOT induce vomiting. Rinse mouth out with water. If symptoms develop, seek medical attention.

Eye

Immediately rinse with quantities of water holding eyelids open. Take care not to rinse contaminated water into the non-affected eye. If symptoms persist, seek medical attention.

Skin

Wash affected area extremely thoroughly with soap and water. Remove contaminated clothing and wash before re-use or discard. If symptoms develop, seek medical attention.

Inhaled

Remove victim from exposure to fresh air. Give oxygen if necessary and seek medical attention if discomfort persists.

Treat symptomatically based on individual reactions of patient and judgement of doctor.

There are no known chronic health effects associated with this product.

5. FIRE FIGHTING MEASURES

Extinguishing Media

In case of fire, appropriate extinguishing media include water spray, dry extinguishing media, foam and carbon dioxide.

Hazards from Combustion Products

Stable under normal conditions of use and storage. Under fire conditions, this product may emit toxic and irritating fumes. Avoid humidity, dust formation and sources of ignition. Hazardous polymerization will not occur. Fire fighters should wear a self contained breathing apparatus and full protective clothing along with protective equipment.

Special Protective Precautions and Equipment for Fire Fighters

No data available.

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Product is non-flammable.

Additional Information
Hazchem Code

N/A

6. ACCIDENTAL RELEASE MEASURES

Emergency Procedures

Personnel involved in the clean up should wear full protective clothing. Evacuate all unnecessary personnel. Eliminate all sources of ignition. Increase ventilation. Avoid raising dust. Do not allow product to reach drains, sewers or waterways.

Methods and Materials for Containment and Clean Up

Sweep up spilled product avoid generating dust or dampen spill with water to avoid airborne dusts. Transfer to a suitable, labelled container and hold for safe disposal. After pick up is complete, flush spill site with water and soap. Hold contaminated water for treatment.

7. HANDLING AND STORAGE

Precautions for Safe Handling

Ensure an eye bath & safety shower are available and ready for use.

Conditions for Safe Storage (Including Any Incompatibles)

Store in a cool, dry, dark, well-ventilated area away from foodstuffs, humidity and ignition sources. Keep containers closed when not in use. Have appropriate fire extinguishers available in storage area. Inspect periodically for deficiencies such as damage or leaks. This product is not classified as a Dangerous Good according to The Australian Code for the Transport of Dangerous Goods by Road and Rail.

Container Type

No information available on container types for this product.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

National Exposure Standards

No exposure standard has been established for this product by Worksafe Australia. However the TWA National Occupational Health and Safety Commission (NOHSC) exposure standards for dust not otherwise specified is:- TWA - 10mg/m³.

Biological Limit Values

No data available.

Engineering Controls

Use with good general ventilation. If dusts are produced, local exhaust ventilation should be used.

**Pers
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Prot**

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RESPIRATOR: Where ventilation is not adequate, avoid breathing dusts by wearing an approved dust mask/respirator. EYES: Safety glasses with side shields, goggles or face shield is recommended. HANDS: Wear rubber gloves. CLOTHING: Wear chemical resistant apron where clothing is likely to be contaminated. Always wash hands before eating, drinking, smoking or using the toilet.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance

White crystalline powder with specific odour.

Formula

C₁₀H₁₂N₂O₈Na₄·4H₂O

Odour

No data available.

Vapour Pressure

Not applicable.

Not applicable.

Not applicable.

400 deg C

Sol

1.07 (Water = 1)

Not applicable.

10-12 (10g/L @ 23'C)

Not applicable.

Not applicable.

>100

No data available.

No data available.

No data available.

No data available.

No data available.

No data available.

No data available.

No data available.

No data available.

No data available.

ormation

Bulk Density: 620-760kg/m³ Solubility: Approx 580g/L @ 20°C Partition coefficient, n-octanol/water: -2.6 (log Pow) Auto-ignition Temp: >200°C
Decomposition Temp: >200°C

10. STABILITY AND REACTIVITY

Chemical Stability

Stable

Conditions to Avoid

N/A

Incompatible Materials

No data available.

**Hazardous
Decomposition
Products**

No data available.

No data available.

11. TOXICOLOGICAL INFORMATION

Toxicity Data

Oral LD50 Mouse: 330mg/Kg Oral LD50 Rat: 2700mg/Kg Corrosive Property: Corrosive to skin. Irritant Property: Irritant to skin and mucous membrane.

Health Effects - Acute

Swallowed

Ingestion of this product will irritate the gastric tract causing nausea and vomiting.

Eye

Irritating to eyes. On eye contact this product will cause tearing, stinging, blurred vision and redness.

Skin

Irritating to skin causing redness and itching.

Inhaled

May cause irritation of the nose, throat and respiratory system.

12. ECOLOGICAL INFORMATION

Ecotoxicity

No data available.

Persistence and Degardability

No data available.

Mobility

No data available.

Environmental Fate (Exposure)

No data available.

No data available.

13. DISPOSAL CONSIDERATIONS

Disposal

Dispose of in accordance with all local, state and federal regulations.

Special Precautions for Land Fill or Incineration

No data available.

14. TRANSPORT INFORMATION

UN Number

Not applicable.

Shipping Name

ETHYLENEDIAMINE TETRAACETIC ACID TETRASODIUM SALT

Dangerous Goods Class

Not applicable.

Subsidiary Risk

Not applicable.

Not applicable.

HARMFUL IRRITANT

N/A

15. REGULATORY INFORMATION

No data available.

Poisons Schedule

N/A

EPG

N/A

AICS Name

GLYCINE, N,N'-1,2-ETHANEDIYLBIS[N-(CARBOXYMETHYL)-,
TETRASODIUM SALT

NZ
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16. OTHER INFORMATION

Literature References

No data available.

Sources for Data

No data available.

Legend to Abbreviations and Acronyms

<

less than

>

greater than

AICS

Australian Inventory of Chemical Substances

CAS

Chemical Abstracts Service (Registry Number)

square centimetres

Carbon Dioxide

Chemical Oxygen Demand

degrees Celsius

Environmental Risk Management Authority

gram

grams per cubic centimetre

grams per litre

Hazardous Substance and New Organism

Immediately Dangerous to Life and Health

liquids are insoluble in each other

kilogram

kilograms per cubic metre

LC stands for lethal concentration. LC50 is the concentration of a material in air which causes the death of 50% (one half) of a group of test animals. The material is inhaled over a set period of time, usually 1 or 4 hours.

LD stands for Lethal Dose. LD50 is the amount of a material, given all at once, which causes the death of 50% (one half) of a group of test animals

Litre

cubic metre

millibar

milligram

milligrams per 24 hours

milligrams per kilogram

mg/m³

milligrams per cubic metre

Misc

miscible

miscible

liquids form one homogeneous liquid phase regardless of the amount of either component present

mm

millimetre

milli Pascal per second

Not Applicable

National Institute for Occupational Safety and Health

National Occupational Health and Safety Commission

Organization for Economic Co-operation and Development

Permissible Exposure Limit

parts per billion

parts per million

parts per million per 2 hours

parts per million per 6 hours

Reciprocal Calculation Procedure

Short Term Exposure Limit

Threshold Limit Value

tonne

Time Weighted Average

micrograms per 24 hours

United Nations (number)

weight

Quality System



TI

Quality



New	Sydney		
Australia	Office		
Adelaide	2	telephone	+61 2 97333000
Brisbane	Swettenham	facsimile	+61 2 97333111
Christchurch	Road		
Hawke's	Minto NSW	web	www.redox.com
Melbourne	2566	email	info@redox.com
Bay	Australia		
Perth			
Sydney			

This MSDS summarises Redox Pty Ltd best knowledge of the health and safety hazard information of the selected substance and how to safely handle the selected substance in the workplace however Redox Pty Ltd expressly disclaims that the MSDS is a representation or guarantee of the chemical specifications for the substance.

Each user should read the MSDS and consider the information in the context of how the selected substance will be handled and used in the workplace including its use in conjunction with other substances.

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