

Chem Alert Report

Product Name **EDTA, DISODIUM SALT.**

Ingredient

EDTA DISODIUM

Conc.

>60%

CAS No.

139-33-3

Synonyms

NOT CLASSIFIED AS HAZARDOUS ACCORDING TO NOHSC CRITERIA

005127 - PRODUCT CDOE, CLEWAT-EDTA-2NA, DISODIUM EDTA, EDTA 2NA, EDTA, DISODIUM SALT, EDTA DISODIUM SALT (APS CHEMICALS).

Appearance

WHITE POWDER

Odour

ODOURLESS

Use(s)

LABORATORY REAGENT, CHELATING AGENT.

Supplier

FRONINE LABORATORY SUPPLIES Ph: 02 9627 3600 Emerg. Ph: 13 11 26

Stock No.

411.

Poison Sched

None Allocated

Hazchem None Allocated

UN No. None Allocated

D.G Class None Allocated

Pkg Group

None Allocated

EPG None Allocated

Sub/Tert Risk None Allocated

HEALTH HAZARDS

Health Hazard Summary

Moderately toxic - irritant. Over exposure may cause acute and chronic health effects. Use safe work practices to avoid eye or skin contact and dust inhalation. EDTA is an experimental teratogen and mutagen.

Eye

Irritant. Exposure may result in lacrimation, irritation, pain and redness.

Inhalation

Low to moderate irritant. Over exposure may result in mucous membrane irritation of the nose and throat and coughing, dizziness and headache.

Skin

Irritant. Prolonged contact may result in irritation, itching and possible skin rash.

Ingestion

Moderate toxicity. With large doses ingestion may result in nausea, vomiting, bloody diarrhoea and kidney damage due to chelating effect. Suspected teratogen.

PRECAUTIONS

Flammability

Non flammable. May evolve toxic gases (hydrocarbons, carbon oxides) when heated to decomposition.

Reactivity

Incompatible with oxidising agents (eg. peroxides) and acids (eg. hydrochloric acid).

Ventilation

Ensure adequate natural ventilation.

PERSONAL PROTECTIVE EQUIPMENT

PPE

Wear dust-proof goggles and PVC or rubber gloves. When using large quantities or where heavy contamination is likely, wear coveralls. Where an inhalation risk exists, wear a Class P1 (Particulate) Respirator. In a laboratory situation, wear a laboratory coat.



Colour
Rating
AMBER

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FIRST AID

- Eye** Flush gently with running water. Seek medical attention if irritation develops.
- Inhalation** If exposure occurs leave exposure area immediately. If irritation persists, seek medical attention.
- Skin** Gently flush affected areas with water. Seek medical attention if irritation develops.
- Ingestion** For advice, contact a Poisons Information Centre on 13 11 26 (Australia Wide) or a doctor. If swallowed, do not induce vomiting.

SAFE HANDLING

- Storage** Store in cool, dry, well ventilated area, removed from oxidising agents, acids and foodstuffs. Ensure product is adequately labelled, protected from physical damage and sealed when not in use.
- Waste Disposal** Ensure product is covered with moist soil to prevent dust generation and dispose of to approved Council landfill. Contact the manufacturer if additional information is required.
- Transport** Not regulated for transport purposes.

EMERGENCY

- Spillage** If spilt or if packages are damaged, collect for later disposal. For large amounts, wear dust-proof goggles, PVC/rubber gloves, a Class P1 (Particulate) respirator, coveralls and boots. Clear area of all unprotected personnel. Eliminate heat or ignition sources, cover spill with moist sand or similar, collect and place in sealable containers for disposal. Avoid generating dust.
- Environment** ATMOSPHERE: Ethylene diamine tetraacetic acid (EDTA) may react with photochemically generated hydroxyl radicals. It may photodegrade. SOIL and WATER: Expected to complex with trace metals and alkaline earth metals present in the soil. BIOLOGICAL: Biodegrades under aerobic conditions. Not expected to bioaccumulate.
- Fire and Explosion** Non flammable. If product is present in a fire, toxic gases may be evolved. Evacuate area and contact emergency services. Remain upwind and notify those downwind of hazard. Wear full protective equipment including Self Contained Breathing Apparatus (SCBA) when combating fire. Use waterfog to cool intact containers and nearby storage areas.
- Extinguishing** Non flammable.

PHYSICAL AND CHEMICAL PROPERTIES

Flammability: NON FLAMMABLE
Boiling Point: DECOMPOSES
Exposure Standard: NOT AVAILABLE
pH: NOT AVAILABLE
Specific Gravity: > 1
Vapour Pressure: NOT AVAILABLE
Lower Explosion Limit: NOT RELEVANT

Flash Point: NOT RELEVANT
Melting Point: NOT AVAILABLE
Evaporation Rate: NOT AVAILABLE
% Volatiles: NOT AVAILABLE
Solubility (water): 120 g/L
Upper Explosion Limit: NOT RELEVANT