



ZHONGLAN INDUSTRY CO., LTD

ZHONGLAN INDUSTRY PARK CHINA

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WEBSITE:www.theedta.com

Material Safety Data Sheet

1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

Chemical Name: EDTA-2Na

(Sodium Ethylenediamine Tetraacetate Dihydrate)

CAS No.: 6381-92-6

Molecular Weight: 372.2

Chemical Formula: C₁₀H₁₈N₂Na₂O₁₀

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2. Composition/Information on Ingredients

Ingredient: Percent Hazardous

Ethylenediaminetetraacetic Acid ≥99.0% Yes
disodium salt

3. Hazardous Identification

Emergency Overview

WARNING MAY BE HARMFUL IF SWALLOWED OR INHALED. MAY CAUSE IRRITATION TO SKIN AND RESPIRATORY TRACT. CAUSES EYE IRRITATION.

Health Rating: 1-Slight

Flammability: 1-Slight

Reactivity Rating: 0-None

Contact Rating: 1-Slight

Lab Protective Equip: GOGGLES, LAB COAT

Storage Color Code: Orange(General Storage)

Potential Health Effects:

There is insufficient data in the published literature to perform a complete hazard evaluation for this product. Special precautions must be used in storage, use and handling. Protective equipment should be chosen using professional judgment.

Inhalation

Mild irritant. Symptoms may include coughing on sneezing. May cause irritation to the respiratory tract.

Ingestion:

Substance has low toxicity by ingestion. Large amount may cause gastric upset due to osmotic imbalance through the sequestering of metal ions.



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Skin Contact:

Mild irritant. Symptoms may include reddening or inflammation on prolonged contact.

Eye Contact:

Causes irritation. Solutions are severe irritants to the eye and cause pain, blurred vision.

Chronic Exposure:

No information found.

Aggravation of Pre-existing Conditions:

No information found.

4. First Aid Measures

In case of contact, immediately flush eyes with copious amounts of water for at least 15 minutes.

In case of contact, immediately wash skin with soap and copious amounts of water.

If inhaled, remove to fresh air. If not breathing give artificial respiration. If breathing is difficult, give oxygen.

If swallowed, wash out mouth with water provided person is conscious.

Call a physician. Wash contaminated clothing before reuse.

5. Fire Fighting Measures

Extinguishing media, water spray.

Carbon dioxide, dry chemical powder or appropriate foam.

Special firefighting procedures, wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.

Unusual fire and explosions hazardous emits toxic fumes under fire conditions.

6. Accidental Release Measures

Wear respirator, chemical safety goggles, rubber boots and heavy rubber gloves.

Sweep up, place in a bag and hold for waste disposal.

Avoid raising dust.

Ventilate area and wash spill site after material pickup is complete.

7. Handling and Storage

Keep in a tightly closed container, stored in a cool, dry, ventilated area.

Protect against physical damage. Containers of this material may be hazardous when empty since they retain product residues (dust, solids); observe all warnings and precautions listed for the product.

8.Exposure Control/Personal Protection



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Chemical safety goggles.
Compatible chemical-resistant gloves.
NIOSH/MSHA-approved respirator.
Safety shower and eye bath.
Mechanical exhaust required.
Do not breathe dust.
Avoid contact with eyes, skin and clothing.
Wash thoroughly after handling.
Irritant.
Keep tightly closed.
Stored in a cool dry place.

9.Physical and Chemical Properties

Disodium ethylenediaminetetraacetate dihydrate is a dry, white crystalline powder and appears light acidity in water, it is soluble in water and insoluble in alcohols.

10. Applications :

As one chelating agent, it can be used in industrial cleaning, personal and household uses, Bleaching of pulp and textiles, Micronutrients for agriculture, Photo processing, Printing ink manufacturing , Food, Polymer processing and Metal plating etc.

11. Solubility and Reactivity

Stability: Stable under ordinary conditions of use and storage.
Hazardous Decomposition Producers: Burning may produce carbon monoxide, carbon dioxide, nitrogen oxides.
Hazardous Polymerization: Will not occur.
Incompatibilities: Oxidizing agents
Conditions to Avoid: No information found

12. Toxicological Information

Acute effects: may be harmful by inhalation, ingestion, or skin absorption.
Causes eye and skin irritation.
Material is irritating to mucous membranes and upper respiratory tract.
To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.
RTECS #: AH4025000
Acetic acid, (Ethylenedinitrilo) tetra-toxicity data
IPR-RAT LD50:397 MG/KG, AHRTAN 13,295,1962
ORL-MUS LD50:30 MG/KG, FCTOD7 29,845,1991
IPR-MUS LD50:250 MG/KG, NTIS** AD691-490
IVN-MUS LD50:28500 UG/KG, JJPAAZ 63,187,1993



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Target organ data: behavioral (convulsions or effect on seizure threshold) only selected registry of toxic effects of chemical substances (RTECS) data is presented here. See actual entry in RTECS for complete information.

13. Ecological Information

Environmental Fate: No information found

Environmental Toxicity: No information found

14. Disposal Considerations

Whatever cannot be saved for recovery or recycling should be managed in an appropriate and approved waste disposal facility. Processing, use or contamination of this product may change the waste management options. State and local disposal regulations may differ from federal disposal regulations. Dispose of container and unusual contents in accordance with federal, state and local requirements.

15. Transport Information:

Not regulated.

16. Regulatory information

NA