



YUFENG INTERNATIONAL CO.,LTD.

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Material Safety Data Sheet

Supplier: YUFENG INTERNATIONAL CO.,LTD.

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Contact Information: Tel No:+86-0510-82322996 Fax No.:+86 -510-82305996 E-mail:info@yufenggp.com

SECTION 1. Chemical Identification

Catalog #: 03609

Name: EDTA Acid (Ethylene Diamine Tetraacetic Acid)

Validity: 1 year

SECTION 2. Composition/Information on Ingredients

CAS #: 60-00-4

MF: $C_{10}H_{16}N_2O_8$

EC NO: 200-449-4

SECTION 3. Synonyms

1. Acide Ethylened Iaminetetracétique (French)
2. 3,6-DIAzaoctanedioic Acid, 3,6-BIS (Carboxymethyl)-Edathamil Edetic Acid
3. Ethylened Iamine-N,N,N',N'-Tetraacetic Acid
4. Hamp-Ene Acid
5. Tetrine Acid

SECTION 4. Hazards Identification

Label Precautionary statements, Irritant, Irritating to eyes, Respiratory system and skin.

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

Wear suitable protective clothing.

SECTION 5. 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 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.

SECTION 6. Fire fighting measures

Extinguishing media, water spray.

Carbon dioxide, dry chemical powder appropriate foam.

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

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

SECTION 7. 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.

SECTION 8. Handling and storage.

Refer to Section 8.

SECTION 9. Exposure control/personal protection

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.

Store in a cool dry place.

SECTION 10. Physical and chemical properties.

Appearance and odor.

White crystal.

Section 11. 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.

SECTION 12. Stability and reactivity

Incompatibilities

Strong oxidizing agents

Strong bases

Copper, copper alloys

Nickel

Hazardous combustion or decomposition products

Toxic fumes of: carbon monoxide, carbon dioxide nitrogen oxides.

SECTION 13. 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

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 RTEDS for complete information.

SECTION 14. Disposal considerations

Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber.

Observe all federal, state and local environmental regulations.

SECTION 15. Transport information

No special regulation about the transportation of this kind of chemicals by us.
Department of transportation.

SECTION 16. Regulatory information

European information: irritant: R 36/37/38

Irritating to eyes, respiratory system and skin.

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

Wear suitable protective clothing.

Reviews, standards, and regulations

EPA FIFRA 1988 pesticide subject to registration or re-registration

FEREAC 54, 7740, 1989

NOHS 1974: HZD 80283; NIS 122; TNF 12157; NOS 93; TNE 121906

NOES 1983: HZD 80283; NIS 119; TNF 14680; NOS 116; TNE 509055; TFE 315637

EPA TSCA section 8(B) chemical inventory

EPA TSCA section 8(D) unpublished health/safety studies

EPA TSCA test submission (TSCATS) data base, October 2000