



MATERIAL SAFETY DATA SHEET

Section 1. Chemical identification

Name : EDTA-2NA

(Disodium Ethylene Diamine Tetraacetate Dihydrate)

Contact Information:

Company: Aurora Industry Co.,Ltd.

Address:Room 7033, No.9-1, Haifu Road, Dalian Free Trade Zone,
China

Tel:0411-82288674

Section 2. Composition / Information on Ingredients

CAS No: 6381-92-6

Formula : $C_{10}H_{18}N_2O_{10} Na_2$

Molecular weight : 372.2

Section 3. Synonyms

1. Na_2EDTA ;
2. $EDTANa_2$;
3. Disodium EDTA

Section 4. Physical 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.

Section 5. 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 6. Specification

Item guaranteed

Appearance : white crystalline powder

Assay % : ≥ 99.0

PH (5% in water) : 4.0-5.0

Sulfate (as SO₄²⁻) % : ≤ 0.1

Chloride (as Cl⁻) % : ≤ 0.01

Heave metal (as Pb) % : ≤ 0.001

Section 7. Packaging and storage

Packaged in complex bag with plastic inner,25KG net per bag .
Stored in cool and dry warehouse, away from alkali, oxides, light and heater. Sealed after use.

Section 8. Hazardous 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 9. 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 10. 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.

Section 11. 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.

Section 12. Handling and storage

Refer to Section 13.

Section 13. Exposure controls/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.

Stored in a cool dry place.

Section 14. 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 15. Transport information

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

Section 16. Regulatory information



Created Date: 05/06/2020 09:31 PM

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