

MATERIALS SAFETY DATA SHEET

EDTA Fe 13%

1. Product Identification

Product Name: NABTA-SOL Fe13% EDTA FE 13%

Product Type: Industrial

Uses:

Area of application: Industrial

Material uses: as fertilizer

Supplier Details(Manufacturer):

Manufacturer NABTA Co., Ltd.

ADD.: 5-4-101RM, JINGCHENGXIUFU, NO. 58, FANGZHUANG

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Person Responsible for this SDS: JIANG JUN

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CAS No.: 15708-41-5

EINECS EC Number: 39-802-2

Molecular Weight: 421.09

Chemical Formula: C10H12N2O8FeNa3H2O

2. Composition/Information on Ingredients

<u>COMPONENT</u>	<u>CAS #</u>	<u>PERCENT</u>
Ferric Disodium EDTA	15708-41-5	99-100

3. Hazards Identification

EMERGENCY OVERVIEW: This product is a odorless, off-white powder

EFFECTS OF OVEREXPOSURE

Inhalation: inhalation of dust may cause mild irritation

Chronic: No evidence of chronic effects found.

Skin: skin contact is not expected to cause irritation

Eyes: Causes mild physical irritation.

Swallowing: No data available

FIRST AID MEASURES

Eyes: Flush immediately with large amounts of water for 15-30 minutes. Call a physician immediately

Skin: Wash with plenty of soap and water for 15-30 minutes. Wash clothing before reuse. Seek medical attention if skin shows signs of irritation.

Inhalation: Remove to fresh air. If breathing has stopped, perform artificial respiration. Keep victim warm and at rest. Call a physician immediately.

Ingestion: If professional advice is not available, do not induce vomiting. Never induce vomiting or give diluents(milk or water) to someone who is unconscious, having convulsions, or who cannot swallow. Get immediate medical attention.

4. First Aid Measures

Inhalation: Remove to fresh air. Get medical attention for any breathing difficulty.

Ingestion: If swallowed, do not vomit, give several glasses of water to drink to dilute. If large amounts were swallowed or symptoms occur, get medical advice. Never give anything by mouth to an unconscious person.

Skin Contact: Immediately flush skin with plenty of water for at least 15 minutes. Remove contaminated clothing and shoes. Wash clothing before reuse. Thoroughly clean shoes before reuse. Get medical attention if irritation develops.

Eye Contact: Immediately flush eyes with plenty of water for at least 15 minutes, lifting upper and lower eyelids occasionally. Get medical attention if irritation persists.

Most important symptoms: No Information found.

5. Fire Fighting Measures

Fire: EDTA-Fe is not considered to be a fire hazard.

Explosion: Not considered to be an explosion hazard.

Suitable Extinguishing Media for Surrounding Fire: ABC Power Extinguishing Agent, Dry chemical.

Unsuitable Extinguishing Media for Surrounding Fire: Water

Specific hazards arising from the Chemical: None

Specific Procedure of Extinguishing Fire: Not Applicable

Specific Protective Equipments and Protective action For Fire Fighters: Not applicable

Special Information: In the event of a fire over EDTA-Fe, wear full protective clothing and NIOSH-approved self-contained breathing apparatus with full face piece operated in the pressure demand or other positive pressure mode.

6. Accidental Release Measures

Measures Personal precautions, Protective Equipment and Emergency Procedures:

Ventilate area of leak or spill of EDTA-Fu. Wear appropriate personal protective clothing. Avoid dust formation. Avoid breathing vapors, mist or gas. Avoid breathing dust.

Preventive Measurement for Environment: Not Applicable

Methods and Material for Containment And Cleaning Up: Pick up and place in a plastic container for reclamation or disposal, do not generate dust, do not let product enter drains.

7. Handling and Storage

Preventive measures for safe handling: Handle in accordance with good industrial hygiene and safety practice. Wear Protective Clothing. Wash thoroughly after handling. Wash hands before eating.

Precautions for safe handling: Avoid direct contact with skin, protect against physical damage.

Conditions for Safe Storage: Keep in a tightly closed container, stored in a cool, dry, ventilated area. Containers of EDTA-Fe may be hazardous when empty since they retain product residues (dust, solids), clean containers after use.

Incompatibilities: Strong oxidizing agents, strong bases, moisture.

8. Exposure Controls/Personal Protection

Airborne Exposure Limits: None established for EDTA-Fe.

Appropriate engineering controls: A system of local and/or general exhaust is recommended to keep employee exposures as low as possible. Local exhaust ventilation is generally preferred because it can control the emissions of the contaminant at its source, preventing dispersion of it into the general work area.

Personal Protection:

Respirators (NIOSH Approved): For conditions of use where exposure to dust or mist is apparent and engineering controls are not feasible, a particulate respirator (NIOSH type N95 or better filters) may be worn. If oil particles (e.g. lubricants, cutting fluids, glycerin, etc.) are present, use a NIOSH type R or P filter. For emergencies or instances where the exposure levels are not known, use a full-face positive-pressure, air-supplied respirator. **WARNING:** Air-purifying respirators do not protect workers in oxygen-deficient atmospheres.

Skin Protection: Wear protective gloves and clean body-covering clothing.

Eye Protection: Safety glasses. Maintain eye wash fountain and quick-drench facilities in work area of EDTA-Fe.

Other Control Measures: Maintain good housekeeping in work area. Dust deposits on floors and other surfaces may pick up moisture and cause the surfaces to become slippery and present safety hazards.

9. Physical and Chemical Properties

Appearance: It is yellow powder.

Odor: Odorless.

Odor Threshold : Not available

Boiling / Condensation point: Not applicable

Sublimation Temperature: Not applicable

Flash Point: Not applicable

Evaporation Rate: Not applicable

Flammability: not flammable

Lower and upper explosive (flammable) limits: Not applicable

Vapor pressure: Not applicable

Vapor density: Not applicable

Relative density: Not applicable

Solubility :

- In water: 90g/100ml (20 deg C)
- In other solvents: soluble

Partition coefficient (noctanol / water): Not applicable

Auto-ignition temperature : Not applicable

Decomposition temperature: >260 deg C

Viscosity : Not applicable

Density: 650kg/m³

Boiling Point: Not applicable

Melting Point: Decomposes without melting

10. Stability and Reactivity

Reactivity: Not likely under ordinary conditions.

Stability: EDTA-Fe is stable under ordinary conditions of use and storage.

Possibility of hazardous reactions: Nitrogen oxides may form when heated to decomposition.

Hazardous Polymerization: Will not occur.

Incompatibilities: Strong oxidizing agents, strong bases.

Conditions to Avoid: Exposure to moisture, heat and incompatibilities.

Hazardous Decomposition Products: Nitrogen oxides, carbon monoxide, irritating and toxic fumes and gases, carbon dioxide.

11. Toxicological Information

Oral LD50 rat: > 2000 mg/k

Carcinogenicity: No Information Found.

Corrosion / Skin irritation: Slightly

Eye Irritation : Slightly

Reproductive toxicity: No Information found.

Specific target organ toxicity: No Information found.

Information on the Likely Routes of Exposure: By Ingestion, Inhalation, Skin contact, Eyes contact.

12. Ecological Information

Environmental Fate: No information found.

Ecotoxicity: No information found.

Persistence / Degradability: Possibly hazardous short term degradation products are not likely. However, long term degradation products may arise.

Bioaccumulative Potential: No information found.

Mobility in soil: No information found.

Other adverse effects: No information found.

13. 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.

Waste Treatment Methods : Dispose of container and unused contents in accordance with federal, state and local requirements.

14. Transport Information

UN Number: not applicable

UN Proper Shipping name: not applicable

Transport hazard classes: not applicable

Packing group: not applicable

Environmental hazards: not applicable

Special precautions for users: not applicable

DOT & ADR/RID: Not regulated.

IMDG: Not regulated.

IATA: Not regulated.

15. REGULATORY INFORMATION

Product label name: EDTA Fe 13%

16. Other Information

The information and recommendations set forth herein (hereinafter "Information") are presented in good faith and believed correct as of the date hereof. It is compiled from various sources and it is not necessarily all inclusive nor fully adequate in every circumstance. In addition, these suggestions should not be confused with nor followed in violation of applicable laws, regulations, rules or insurance requirements applicable. This MSDS sheet is intended only as a guide to the appropriate precautionary handling of the material by a properly trained person using this product. Individuals receiving the information must exercise their independent judgment in determining its appropriateness for a particular purpose.