
MATERIALS SAFETY DATA SHEET

NABTA-SOL FE 6%

1. Product Identification

Product Name: NABTA-SOL EDDHA FERTILIZER 6% Fe

Product Type: fertilizer_

CAS No.: 16455-61-1

EINECS EC Number: 283-044-5

Molecular Weight: 435.2

Chemical Formula: C₁₈H₁₆N₂O₆FeNa

Producer: NABTA CO.LTD.

ADD. : RM 5-4-101 Jingchengxiufu No.58, FangZhuang NanLu, Beijing, CHINA

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2. Hazards Identification

GHS, Globally Harmonized System Classification in accordance with 29 CFR 1910.

Classification according to Regulation (EC) No 1272/2008

Classification of Hazards: None .

Labeling according to GHS & Regulation (EC) No 1272/2008

GHS Label Elements: None

Signal Words: None

Precautionary statements:

P261: Avoid breathing dust/fume/gas/mist/vapors/spray.

P262: Do not get in eyes, on skin, or on clothing.

P281: Use personal protective equipment as required.

P302+P352 - IF ON SKIN: Wash with plenty of soap and water.

P303+P361+P353 - IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing.
Rinse skin with water/shower.

P304 + P340 - IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P337+313: If eye irritation persists get medical advice/attention.

3. Composition/Information on Ingredients

Chemical Name: Ethylenediamine-N',N'-bis(2-hydroxyphenylacetic acid), Ferric sodium complex

General Name: NABTA-SOL EDDHA fertilizer 6% Fe

Ingredient: Ethylenediamine-N',N'-bis(2-hydroxyphenylacetic acid), Ferric sodium complex

CAS No.: 16455-61-1

EINECS EC Number: 283-044-5

Percent: 99 - 100%

Impurities and additives: none

Mixture Identify and chemical concentration or concentration ranges of all the constituent materials that are harmful to health or the environment and the concentration of a mixture of constituent materials:

None

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: NABTA-SOL EDDHA fertilizer 6% 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: None

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 NABTA-SOL EDDHA fertilizer 6% 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 NABTA-SOL EDDHA fertilizer 6% Fe. 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 NABTA-SOL EDDHA fertilizer 6% 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 NABTA-SOL EDDHA fertilizer 6% 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 NABTA-SOL EDDHA fertilizer 6% 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 dark red-brown 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: 30g/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: 700kg/m³

Boiling Point: Not applicable

Melting Point: Decomposes without melting

10. Stability and Reactivity

Reactivity: Not likely under ordinary conditions.

Stability: NABTA-SOL EDDHA fertilizer 6% 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

USA: ^[1]_[SEP] TSCA 12(b): Not applicable
SARA 313: Not applicable
SARA 311/312 Hazardous Categorization: None
Clean Water Act: Not applicable
Clean Air Act: Not applicable
OSHA Occupational Safety and Health Administration: Not applicable
CERCLA: Not applicable
California Proposition 65: This product does not contain any Proposition 65 chemicals
Canada WHMIS: Not controlled under WHMIS (Canada).

16. Other Information

Legend / Abbreviations and Acronym Used on SDS:
CAS: Chemical Abstracts Service
EINECS: European Inventory of Existing commercial Chemical Substances
GHS: Globally Harmonized System of Classification and Labelling of Chemicals
CFR: Code of Federal Regulation
NIOSH: National Institute for Occupational Safety and Health
IARC: International Agency for Research on Cancer
ACGIH: American Conference of Governmental Industrial Hygienists
OSHA: Occupational Safety and Health Administration
DOT: Department of Transportation
ADR: Autorisation Dangerous Road
RID: Regulations Concerning the International Carriage of Dangerous Goods by Rail
IMDG: International Maritime Dangerous Goods

IATA: International Air Transport Association

References or Sources used in the SDS: not available

DISCLAIMER: *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.*