SAFETY DATA SHEET

SECTION 1. IDENTIFICATION
Product Identifier: (3N) 99.9% Ethylenediaminetetraacetic Acid Ferric Sodium Salt
Product Code: EDTA-FE3NA-03-P
CAS Number: 15708-41-5
Relevant identified uses of the substance: Scientific research and development
Supplier details:
American Elements
10884 Weyburn Ave.
Los Angeles, CA 90024
Tel: +1 310-208-0551
Fax: +1 310-208-0351
Emergency telephone number:
+1 800-424-9300

SECTION 2. HAZARDS IDENTIFICATION
Classification of the substance or mixture
Not a hazardous substance or mixture.
GHS Label elements, including hazard and precautionary statements:
Not a hazardous substance or mixture.
Hazards not otherwise classified (HNOC) or not covered by GHS - None

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS
Formula: C10H12N2O8NaFe
Molecular Weight: 367.02 g/mol
EC No.: 239-802-2

SECTION 4. FIRST AID MEASURES
General Advice:
Consult a physician. Show this safety data sheet to the doctor in attendance. Move out of dangerous area.
Ingestion:
May cause irritation if swallowed.
If swallowed, wash out mouth with water. Never give anything by mouth to an unconscious person. Get medical attention.

Inhalation:
May cause irritation to respiratory tract.
Safely remove victim to fresh air. If not breathing, institute cardiopulmonary resuscitation (CPR). If breathing is difficult, ensure clear airway and give oxygen. Get medical attention.

Eye Contact:
Direct contact may cause irritation. May cause redness, tearing, or blurred vision.
Flush immediately with large amounts of water for at least 15 minutes. Eyelids should be held away from the eyeball to ensure thorough rinsing. Get medical attention if irritation persists.

Skin Contact:
Irritating. May cause reddening, itching or inflammation.
Wash area thoroughly with soap and water. Remove and wash contaminated clothing. Get medical attention if irritation persists.

SECTION 5. FIREFIGHTING MEASURES
Suitable Extinguishing Media: Water spray, carbon dioxide, dry chemical powder, or appropriate foam. Use extinguishing media suitable for surrounding fire.

Special Protective Equipment and Precaution for Firefighters:
In the event of a fire, wear full protective clothing and NIOSH approved self-contained breathing apparatus. Evacuate the area and fight fire from a safe distance.

Hazardous Combustion Products: May emit toxic fumes under fire conditions.

Toxic Gases Produced: Carbon monoxide, carbon dioxide, nitrogen oxides, sodium oxides, iron oxides.

SECTION 6. ACCIDENTAL RELEASE MEASURES
Personal Precautions, Protective Equipment and Emergency Procedures:
Use personal protection recommended in Section 8. Avoid dust formation. Avoid breathing vapors, mist or gas. Ensure adequate ventilation, especially in confined areas. Evacuate personnel to safe areas. Avoid breathing dust.

Environmental Precautions: Prevent further leakage or spillage if safe to do so. Do not let product enter drains.

Method of Containment and Cleanup:
Wear suitable protective clothing. Avoid dust formation. Carefully sweep up and remove. Place material in a dry container and cover. Remove from the area. Flush spill area with water. Do not let products enter drains.
SECTION 7. HANDLING AND STORAGE

Precaution for Safe Handling: Avoid contact with skin and eyes. Avoid dust formation and aerosols. Avoid incompatible substances. Keep away from combustible materials. Wash thoroughly after use.

Conditions for Safe Storage: Keep in a tightly closed container and store in a cool, dry, and well-ventilated area.

Incompatibilities: Strong oxidizing agent

Recommended Storage Temperature: Room Temperature

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

OSHA’s Permissible Exposure Limits (PELs): No data available
Threshold Limit Values (TLVs): No data available
Engineering Controls: Handle in accordance to general industrial hygiene and safety practice.

Personal Protective Equipment (PPE):
Eye/Face Protection: Chemical safety glasses or goggles. Have eye-washing facilities readily available where eye contact can occur.

Skin Protection: Protective gloves

Body Protection: Lab coat

Respiratory Protection: A NIOSH/MSHA approved air purifying respirator

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Yellow-green to brownish powder
pH (0.037 g/L): Under Development (4.0 – 6.0 suspected range)
Solubility: Soluble in Water
Melting Point: ~80 °C
Vapor Density: No data available
Vapor Pressure: No data available
Odor: Odorless
Odor Threshold: No data available
Viscosity: No data available
Relative Density: 1.78 g/cm³ at 20 °C
Evaporation Rate: No data available
Initial Boiling Point and
Boiling Range: No data available
Flammability (solid, gas): No data available
Partition coefficient:
n-octanol/water:
No data available
Auto-ignition Temperature: 207 °C (405 °F) at 1,013 hPa (760 mmHg)
Decomposition Temperature: No data available
Flash Point (Closed Cup): No data available
Flammable Limits: Upper (%) – No data available Lower (%) – No data available
SECTION 10. STABILITY AND REACTIVITY

Reactivity: No data available

Chemical Stability: Stable under normal conditions of use

Possibility of Hazard Reactions: Will not occur

Conditions to Avoid: Incompatibles, excessive moisture

Incompatibles Materials: Strong oxidizing agents, some metals and metal alloys

Hazardous Decomposition Products: Carbon monoxide, carbon dioxide, nitrogen oxides, sodium oxides, iron oxides

SECTION 11. TOXICOLOGICAL INFORMATION

Toxicity:
LD50 (Oral-Rat)(mg/Kg): >2000
LD50 (Oral-Mouse)(mg/Kg): 5000
LD50 (Dermal-Rat)(mg/Kg): >2000

Carcinogenicity:
NTP: No
IARC: No
Z List: No
OSHA Reg: No

Reproductive Toxicity: No data available

Symptoms Associated with Overexposure:
Irritation, itching, gastrointestinal upset, nausea, possible sensitization

Specific Target Organ Toxicity:
Single Exposure: No data available
Repeated Exposure: No data available

Target Organs: Blood

Medical Conditions Aggravated By Exposure: Blood disorders

Routes of Entry: Inhalation, ingestions, skin and eye contact

NIOSH/RTECS NO: AH4900000

SECTION 12. ECOLOGICAL INFORMATION

Ecotoxicity: Toxicity to fish – LC50 – rainbow trout - >100 mg/L -96 hrs

Persistence and Degradability: No data available
Bioaccumulative Potential: No data available
Mobility in Soil: No data available
Other Adverse Effects: No data available

SECTION 13. DISPOSAL CONSIDERATIONS

Disposal Procedure: Dispose in accordance with all applicable federal, state, and local environmental regulations.
EPA Hazardous Waste Number: No data available

SECTION 14. TRANSPORT INFORMATION

Domestic (D.O.T.):
Proper Shipping Name: CHEMICALS, N.O.S. (NON-REGULATED)
Hazard Class: N/A
UN/NA: N/A
Labels: N/A

International:
IMDG:
Proper Shipping Name: CHEMICALS, N.O.S. (NON-REGULATED)
Hazard Class: N/A
UN/NA: N/A
Labels: N/A

IATA:
Proper Shipping Name: CHEMICALS, N.O.S. (NON-REGULATED)
Hazard Class: N/A
UN/NA: N/A
Labels: N/A

SECTION 15. REGULATORY INFORMATION

TSCA: Yes
SARA TITLE III:
Section 302 (EHS) Ingredients: No
Section 313 Ingredients: No
Section 304 (EHS/CERCLA) Ingredients: No
Section 311/312 Hazard: No SARA Hazards

Massachusetts Right to Know Components: No components are subject to the Massachusetts Right to Know Act.
Pennsylvania Right to Know Components: CAS No.: 15708-41-5 Sodium feredetate
New Jersey Right to Know Components: CAS No.: 15708-41-5 Sodium feredetate
California Prop. 65 Components: This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.
16. OTHER INFORMATION

Safety Data Sheet according to Regulation (EC) No. 1907/2006 (REACH). The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. American Elements shall not be held liable for any damage resulting from handling or from contact with the above product. See reverse side of invoice or packing slip for additional terms and conditions of sale. COPYRIGHT 1997-2019 AMERICAN ELEMENTS. LICENSED GRANTED TO MAKE UNLIMITED PAPER COPIES FOR INTERNAL USE ONLY.