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SAFETY DATA SHEET

ULTRA EDTA Fe 13%

Section 1 – Product Identification and Supplier Information

Product Name: ULTRA EDTA Fe 13%
Chemical Name: Ethylenediaminetetraacetic acid, ferric sodium complex
CAS Number: 15708-41-5
Chemical Formula: $C_{10}H_{12}N_2O_8FeNa \cdot 3H_2O$
Product Use: Chelating agent

Supplier Information:

BR Global LLC
150 Round about Ct.
Rocky Mount, NC 27804
Telephone – 252-442-0700
Fax – 252-442-0787

Section 2 – Hazards Identification

Iron Chelate 13% is not classified as hazardous conform EEC Dangerous Substance Directive and dangerous Preparation Directive

Label elements:

WARNING
H316: Causes mild skin irritation
H320: Causes eye irritation
P103: Read label before use
P264: Wash hands thoroughly after handling

Harmful to aquatic life.

Harmful to aquatic life with long lasting effects.

Disclaimer:

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Section 3 - Composition

Chemical Name: Ethylenediaminetetraacetic acid, ferric sodium complex
CAS Number: 15708-41-5
Chemical Formula: C₁₀H₁₂N₂O₈FeNa·3H₂O

Section 4 - First Aid Measures

Inhalation: Move to fresh air. Call a physician if symptoms develop or persist.
Eye Contact: Rinse with water. Get medical attention if irritation develops and persists.
Skin Contact: Wash off with soap and water. Get medical attention if irritation develops and persists.
Ingestion Rinse mouth. Get medical attention if symptoms occur.

General information Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves.

Section 5 - Fire-Fighting Measures

Fire Extinguishing Media: Water fog. Foam. Dry chemical powder. Carbon dioxide (CO₂).
Hazards: Do not use water jet as an extinguisher, as this will spread the fire.
Recommendations for fire-fighters: During fire, gases hazardous to health may be formed. Self-contained breathing apparatus and full protective clothing must be worn in case of fire. Move containers from fire area if you can do so without risk.

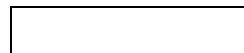
Section 6 - Accidental Release Measures

Personal precautions, protection, equipment and emergency procedures:

- Keep unnecessary personnel away.
- Keep people away from and upwind of spill/leak.
- Wear appropriate personal protective equipment.
- Ensure adequate ventilation. Local authorities should be advised if significant spillages cannot be contained. For personal protection, see section 8 of the MSDS.

Environment related precautions:

- Stop the flow of material, if this is without risk.



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Large Spills: Dike the spilled material, where this is possible. Cover with plastic sheet to prevent spreading. Absorb in vermiculite, dry sand or earth and place into containers. Prevent product from entering drains. Following product recovery, flush area with water.

Small Spills: Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination. Never return spills in original containers for re-use. For waste disposal, see section 13 of the MSDS

Methods and materials for containment and cleaning material:

Avoid release to the environment. Contact local authorities in case of spillage to drain/aquatic environment. Prevent further leakage or spillage if safe to do so. Do not contaminate water. Avoid discharge into drains, water courses or onto the ground.

Section 7 - Handling and Storage

Precautions for safe handling: Provide adequate ventilation. Wear appropriate personal protective equipment. Observe good industrial hygiene practices. Avoid release to the environment. Do not empty into drains.

Safe Storing Conditions:

Store in original tightly closed container. Store in a cool, dry place out of direct sunlight. Store away from incompatible materials (see Section 10 of the MSDS).

Section 8 - Exposure Controls / Personal Protection

Occupational Exposure Limits: No exposure limits noted for ingredient(s).

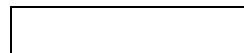
Engineering Controls: Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level.

Individual Protection Measures:

Eye/face protection: Wear safety glasses with side shields (or goggles).

Skin protection: Hand protection For prolonged or repeated skin contact use suitable protective gloves.

Other Wear suitable protective clothing.



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Respiratory protection: In case of insufficient ventilation, wear suitable respiratory equipment. Thermal hazards Wear appropriate thermal protective clothing, when necessary.

General hygiene considerations: Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.

Section 9 - Physical and Chemical Properties

Appearance: Powder (25°C) Color: yellow-green
Odor: odorless
Boiling point/range: not relevant
Melting point/range: 800°C (crystal water loss) Flash point: not relevant
Flammability: not relevant
Auto ignition temperature: >1500°C Explosive properties: not relevant
Explosion limits: not relevant
Oxidizing properties: yes
Vapor pressure: not relevant
Density: not relevant
Bulk density: approx. 650kg/m³
Solubility in water: 90 g/L (200°C) 300 g/L (800°C) Solubility in other solvents: not determined
PH value: pH approx. 4.5 (1% solution) Partition coefficient n-octanol/water: not determined
Relative vapor density (air = 1): not relevant
Viscosity: not relevant

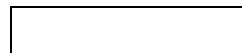
Section 10 - Stability and Reactivity

Stability: The product is stable and non-reactive under normal conditions of use, storage and transport. No dangerous reaction known under conditions of normal use.

Conditions to avoid: Avoid temperatures exceeding the decomposition temperature.

Hazardous decomposition products: Nitrous gases may be produced

Other information: Oxidizing properties



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Section 11- Toxicological Information

Ingestion (Acute Oral Toxicity): No information available.
Skin (Acute Dermal Toxicity): No information available.
Primary Skin Irritation Index: No information available.
Eye: No information available.
Inhalation: No information available.
Chronic Effects: No information available.

Section 12 - Ecological Information

Ecotoxicity: No experimental ecological data are available
Persistence/Degradation: Not readily biodegradable
Soil Mobility: No experimental ecological data are available

Section 13 - Disposal Considerations

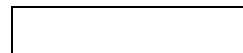
Disposal instructions: Collect and reclaim or dispose in sealed containers at licensed waste disposal site. This material and its container must be disposed of as hazardous waste. Do not allow this material to drain into sewers/water supplies. Do not contaminate ponds, waterways or ditches with chemical or used container. Dispose of contents/container in accordance with local/regional/national/international regulations.
Hazardous waste code: The waste code should be assigned in discussion between the user, the producer and the waste disposal company.
Waste from residues / unused products: Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see: Disposal instructions).

Section 14 - Transport Information

DOT Hazardous Material Classification: Not regulated as dangerous goods.
DOT Hazardous Substances Classification: Not regulated as dangerous goods.
International Transportation: Not regulated as dangerous goods.

Section 15 - Regulatory Information

Product label name: Ethylenediaminetetraacetic acid, ferric sodium complex, approx. 100%
Labeling according to EC directives
EC-number: not applicable
Symbol(s): none Risk phrase(s): none Safety phrase(s): none



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Section 16 - Other Information

Date of preparation of the SDS or last change to it May 2015.

The information and statements in this Material Safety Data Sheet are believed to accurately reflect the scientific evidence used in making the hazard determination, but is not to be construed as a warranty or representation for which we assume legal responsibility. Additional information may be necessary or desirable depending on particular, exceptional or variable conditions or circumstances of use or storage or because of locally applicable laws or government regulations. Therefore, you should use this information only as a supplement to other information available to you and must make independent determinations of the suitability of the information for your particular circumstances or conditions and of the completeness of the information available from all sources to assure both the proper use of the material described herein and the safety and health of employees.

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