I - Product Identification

Chelated Iron

**PRODUCT CODE:** 0133

**CHEMICAL FORMULATION:** Water based soil supplement.

**NFPA HAZARD IDENTIFICATION SYSTEM:**
- **HEALTH:** 0
- **FLAMMABILITY:** 0
- **REACTIVITY:** 0

**HAZARD RATING:**
- 4 - Extreme;
- 3 - High;
- 2 - Moderate;
- 1 - Slight;
- 0 - Insignificant

II - Hazardous Ingredients

Values reported as TWA unless noted.

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<tr>
<th>SUBSTANCE</th>
<th>APPROX %</th>
<th>OSHA PEL</th>
<th>ACGIH TLV</th>
<th>EPA 40 CFR:</th>
<th>CAS #</th>
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Contains no hazardous components as defined in 29 CFR 1910.1200

Key:
- **PEL:** Permissible Exposure Limit
- **TLV:** Threshold Limit Value
- **C:** Ceiling level
- **STEL:** Short Term Exposure Limit
- **N/A:** Not Applicable
- **N/D:** Not Determined
- **N/E:** Not Established
- **Y:** Yes
- **N:** No
- **302:** CERCLA List of Hazardous Substances and Reportable Quantities (40 CFR 302.4).
- **355:** SARA TITLE III / List of Extremely Hazardous Substances for Emergency Planning and Notification (40 CFR 355).
- **372:** SARA TITLE III / List of Toxic Chemicals subject to Release Reporting (Community Right to Know) (40 CFR 372).

III - Physical Data

- **BOILING POINT (°F):** N/D
- **SPECIFIC GRAVITY (WATER = 1):** 1.2
- **VAPOR PRESSURE (mm Hg):** N/D
- **VOC CONTENT (% by weight):** None
- **VAPOR DENSITY (AIR = 1):** N/D
- **EVAPORATION RATE (WATER = 1):** N/D
- **SOLUBILITY IN WATER:** Soluble
- **pH:** 2.2-3.2
- **APPEARANCE AND ODOR:** Muddy, dark brown liquid; pungent odor.

IV - Fire and Explosion Hazard Data

- **FLASH POINT (°F):** None
- **(TEST METHOD):** Closed cup
- **FLAMMABLE LIMITS IN AIR (VOLUME %):**
  - **UPPER:** N/A
  - **LOWER:** N/A
- **EXTINGUISHING MEDIA:** Water spray, carbon dioxide, dry chemical.
- **SPECIAL FIRE FIGHTING PROCEDURES:** Firefighters should be equipped with full protective gear including self-contained breathing apparatus.
- **UNUSUAL FIRE AND EXPLOSION HAZARD:** None
V - Reactivity Data

STABILITY: Stable
INCOMPATIBILITY: Strong oxidizing agents.
CONDITIONS TO AVOID: None
HAZARDOUS DECOMPOSITION PRODUCTS: Thermal decomposition may produce oxides of carbon.
HAZARDOUS POLYMERIZATION: Will not occur.

VI - Health Hazard Data

ROUTES OF ENTRY INHALATION: EYE CONTACT: X SKIN CONTACT: X INGESTION: X

INGREDIENTS THAT ARE CONSIDERED BY OSHA, NTP, IARC TO BE SUSPECTED HUMAN CARCINOGENS: None.

EFFECTS OF OVEREXPOSURE
IF IN EYES: Mild irritation.
IF ON SKIN: Mild irritation with prolonged or repeated use.
IF SWALLOWED: Nausea, diarrhea.
IF INHALED: None known under normal use.

EMERGENCY AND FIRST AID PROCEDURES
IF IN EYES: Flush eyes and under eyelids with plenty of cool water for at least 15 minutes. Obtain medical attention, if irritation persists.
IF ON SKIN: Flush with soap and water. Launder clothing separately before reuse.
IF SWALLOWED: Contact a physician or poison control center. Give affected person 1 to 2 glasses of water. Never give anything by mouth to an unconscious person.
IF INHALED: Remove person to fresh air.

VII - Spill or Leak Protection

STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED: Soak up material with inert absorbent material or flush away with water.

WASTE DISPOSAL METHOD: Consult local environmental authorities.

VIII - Special Protection Information

RESPIRATORY PROTECTION: Use with adequate ventilation.
VENTILATION LOCAL: Not required MECHANICAL: Not required

PROTECTIVE GLOVES: Chemical resistant.
EYE PROTECTION: Safety glasses or chemical goggles.
OTHER PROTECTIVE EQUIPMENT: None.

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE: Store in a cool dry place. Keep container tightly closed when not in use.
OTHER PRECAUTIONS: Keep out of reach of children.

IX - Transportation Information (ground transportation only)

DOT PROPER SHIPPING NAME: None
DOT CLASS: None DOT ID NUMBER: None DOT PACKING GROUP: None

The shipping information listed above applies only to non-bulk (< 119 gallons) containers of this product. This product may have more than one proper shipping name depending on packaging, product properties, & mode of shipment. If any alteration of packaging, product, or mode of transportation is further intended, different shipping names and labeling may apply.


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