



## Safety Data Sheet

Report Date 13-May-19

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### 1. Identification

**Product Name** : FERRILENE RTU  
**Synonyms** : None  
**Product Use** : Ready to Use Liquid Micronutrient - Iron  
**Manufacturer/Supplier** : Helena Agri-Enterprises, LLC  
**Address** : 225 Schilling Blvd. Collierville, TN 38017  
**General Information** : 901-761-0050  
**Transportation Emergency Number** : CHEMTREC:800-424-9300

### 2. Hazard Identification

**Signal Word** : Warning (no symbol)  
**Skin Irritation** : Causes mild skin irritation.  
**Eye Irritation** : Causes eye irritation  
**Acute Toxicity Oral** : No LD50 available. Not classified as hazardous by ingestion.  
**Acute Toxicity Dermal** : No LD50 available. Not classified as hazardous.

**Hazard Categories** : Eye/Skin Irritation-2B/3

**Hazard Statement** : Causes eye irritation  
Causes mild skin irritation

### 3. Composition / Information on Ingredients

Component	CAS Number	Weight %
Ready to use Micronutrient Solution with Iron Chelate, derived from Iron EDDHA. GUARANTEED ANALYSIS: Iron (Fe): 0.7%	Proprietary	100.00

### 4. First Aid Measures

**Eye** : Hold eyes open and rinse slowly and gently with water for 15 to 20 minutes. Remove contact lenses, if present, after first 5 minutes, then continue rinsing eye. Call a poison control center or doctor for further treatment advice.

**Skin** : Take off contaminated clothing. Rinse skin immediately with plenty of water for 15 to 20 minutes. Call a poison control center or doctor for treatment advice.

**Inhalation** : Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth, if possible. Call a poison control center or doctor for further treatment advice.

**Ingestion** : Call a poison control center or doctor immediately for treatment advice. Rinse mouth with water. Do not induce vomiting. Do not give anything by mouth if unconscious.

**Indication of Immediate Medical Attention and Special Treatment Needed** : In the event of an adverse response, treatment should be directed toward control of the symptoms.

### 5. Fire Fighting Measures

**Extinguishing Media** : Use water spray, foam or carbon dioxide extinguishing agents.

**Specific Hazards Arising from the Chemical** : May emit oxides of nitrogen, sulfur and carbon under fire conditions.

**Special Fire Fight Proc** : Wear self-contained breathing apparatus and full protective clothing.



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### 6. Accidental Release Measures

- Personal Precautions** : Keep unprotected and unnecessary personnel out of spill area.
- Protective Equipment** : Splashproof goggles or face shield, impervious gloves, impervious apron and footwear. Respiratory protection not normally needed. Eyewash and emergency shower should be available in work area.
- Emergency Procedures** : Do not contaminate water supplies, lakes, streams, drains or ponds with spilled product.
- Methods and Materials for Containment and Cleanup** : Contain spilled product using inert absorbent material. Apply inert absorbent to spilled liquid. Collect using shovels and place in suitable chemical waste disposal containers.

### 7. Handling and Storage

- Precautions for Safe Handling** : Keep locked up and out of reach of children. Do not contaminate water, food or feed by storage, handling or disposal. Keep container tightly closed. Do not allow water to be introduced into the contents of the container.
- Conditions for Safe Storage** : Store in original container only. Do not store near heat or open flame. Do not store with oxidizing agents or ammonium nitrate.

### 8. Exposure Controls / Personal Protection

- TLV/PEL** : No TLV or PEL established
- Appropriate Engineering Controls** : General and/or local exhaust should be sufficient.
- Personal Protective Equipment** : Splashproof goggles or face shield, impervious gloves, impervious apron and footwear. Respiratory protection not normally needed. Eyewash and emergency shower should be available in work area.

### 9. Physical and Chemical Properties

- Odor/Appearance** : Clear reddish-black liquid.
- Flash Point, °F** : No information found
- Boiling Point, °F** : No information found
- Melting Point(Freezing point), °C** : No information found
- Vapor Pressure, mm Hg @ 20 °C** : No information found
- Vapor Density** : No information found
- Solubility in Water** : No information found
- Molecular Formula** : Not applicable, formulated mixture.
- Density, g/mL @ 25 °C** : 1.055-1.075
- Evaporation Rate(Butyl Acetate = 1)** : No information found
- Octanol/Water Partition Coefficient** : No information found
- pH** : 7.0 to 8.0
- Flammable Limits (approximate volume % in air)** : No information found
- Auto-ignition Temperature** : Not applicable
- Decomposition temperature** : No information found

### 10. Stability and Reactivity

- Reactivity** : No information found



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**Chemical Stability** : Stable  
**Hazardous Decomposition Products** : May release toxic fumes, such as carbon monoxide, carbon dioxide, nitrogen oxides or sulfur oxides, under fire conditions.  
**Hazardous Polymerization** : Will not occur  
**Conditions to Avoid** : Avoid heating of the product at high temperatures.  
**Incompatible Materials** : Avoid contact with strong oxidizing agents.

### 11. Toxicological Information

**Acute Toxicity (Oral LD50)** : No LD50 established. Not classified as hazardous.  
**Acute Toxicity (Dermal LD50)** : No LD50 established. Not classified as hazardous.  
**Acute Toxicity Inhalation LC50** : No LC50 established. Not classified as hazardous.  
**Likely Routes of Exposure** : Skin and eyes  
**Skin Irritation** : Causes mild skin irritation.  
**Eye Irritation** : Causes eye irritation.  
**Skin Sensitization** : No information found  
**Carcinogenic** : Not listed by IARC, NTP or OSHA.  
**Chronic Effects** : None currently known.  
**Other Hazards** : None currently known.

### 12. Ecological Information

**Ecotoxicity** : No information found  
**Persistence and Degradability** : No information found  
**Bioaccumulative Potential** : No information found  
**Mobility in Soil** : No information found  
**Other Adverse Effects** : No information found

### 13. Disposal Considerations

**Waste Disposal Method** : This material must be disposed of according to Federal, State or Local procedures under the Resource Conservation and Recovery Act.

### 14. Transport Information

**UN Proper Shipping Name** : Not regulated by DOT.  
**Transport Hazard Class** : None  
**UN Identification Number** : None  
**Packaging Group** : None  
**Environmental Hazards** : No information found  
**Transport in Bulk** : No information found  
**Special Precautions for Transportation** : No information found  
**Freight Classification** : Fertilizing Compound, (Manufactured Fertilizer), Liquid, NOIBN (NMFC Item 68140, Sub 6, Class 70)

### 15. Regulatory Information

**National Fire Protection Association Rating** :

Health:

1

Fire: 0

Reactivity: 0

Rating Level: (4-Extreme, 3-High, 2-Moderate, 1-Slight, 0-Minimum)



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**S.A.R.A Title III Hazard :  
Classification (Yes/No)**

Immediate( Acute) Health: Y  
Delayed (Chronic) Health: N  
Sudden Release of N  
Pressure:  
Fire: N  
Reactive: N

### 16. Other Information

**Data of Preparation/Revision : 13-May-2019**