



## Safety Data Sheet

Report  
Date **30-Aug-19**

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### 1. Identification

**Product Name** : TRACITE 10 ZN CITRIC  
**Synonyms** : None  
**Product Use** : Chelated micronutrient - Zinc  
**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** : Danger  
**Skin Irritation** : Causes mild skin irritation  
**Eye Irritation** : Causes serious eye damage  
**Acute Toxicity Oral** : May be harmful if swallowed  
**Acute Toxicity Dermal** : May be harmful in contact with skin  
  
**Hazard Categories** : Oral/Dermal/Inhalation Toxicity-5/5/5; Eye/Skin Irritation-1/3  
  
**Hazard Statement** : May be harmful if swallowed  
May be harmful in contact with skin  
May be harmful if inhaled  
Causes serious eye damage  
Causes mild skin irritation

### 3. Composition / Information on Ingredients

Component	CAS Number	Weight %
Blend of plant nutrients derived from zinc sulfate.	Proprietary	100.00
Note: The chelating agent is citric acid.		
GUARANTEED ANALYSIS:		
Sulfur (S):		4.50%
4.50% Combined Sulfur		
Zinc (Zn):		10.00%
10.00% Chelated Zinc		

### 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 adverse response, treatment should be directed toward control of the symptoms.



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### 5. Fire Fighting Measures

- Extinguishing Media** : Use water fog or spray, dry chemical, foam or carbon dioxide extinguishing agents.
- Specific Hazards Arising from the Chemical** : Sulfur dioxide, carbon dioxide and carbon monoxide under fire conditions.
- Special Fire Fight Proc** : Wear self-contained breathing apparatus and full protective clothing.

### 6. Accidental Release Measures

- Personal Precautions** : Keep unprotected and unnecessary personnel out of work area.
- Protective Equipment** : Splashproof goggles or face shield, impervious gloves, impervious apron and footwear. Use NIOSH-approved air-purifying respirator with ammonia cartridge if needed. Eyewash and emergency shower should be available in work area.
- Emergency Procedures** : Do not contaminate water supplies, lakes, streams, ponds or drains with spilled product.
- Methods and Materials for Containment and Cleanup** : Contain spilled product and reuse, if uncontaminated. If contaminated, absorb with an inert material. Collect and place in suitable containers for proper disposal.

### 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 for mixture.
- Appropriate Engineering Controls** : Local exhaust is sufficient.
- Personal Protective Equipment** : Splashproof goggles or face shield, impervious gloves, impervious apron and footwear. Use NIOSH-approved air-purifying respirator with ammonia cartridge if needed. Eyewash and emergency shower should be available in work area.

### 9. Physical and Chemical Properties

- Odor/Appearance** : Clear colorless liquid. No odor specified.
- Flash Point, °F** : Non-combustible
- Boiling Point, °F** : >100 Degrees C.
- Melting Point(Freezing point), °C** : <20 Degrees C.
- Vapor Pressure, mm Hg @ 20 °C** : Not determined
- Vapor Density** : Not determined
- Solubility in Water** : Soluble
- Molecular Formula** : Not applicable, formulated mixture.
- Density, g/mL @ 25 °C** : 1.320-1.350
- Evaporation Rate(Butyl Acetate = 1)** : Not determined
- Octanol/Water Partition Coefficient** : No information found



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pH : 1.0 to 2.0  
Flammable Limits (approximate volume % in air) : Not determined  
Auto-ignition Temperature : Not determined  
Decomposition temperature : No information found

### 10. Stability and Reactivity

Reactivity : No information found  
Chemical Stability : Stable  
Hazardous Decomposition Products : Sulfur dioxide, carbon dioxide and carbon monoxide under fire conditions.  
Hazardous Polymerization : Will not occur  
Conditions to Avoid : None currently known.  
Incompatible Materials : Product may react vigorously with alkaline materials.

### 11. Toxicological Information

Acute Toxicity (Oral LD50) : No LD50 available. May be harmful if swallowed. Ingestion results in vomiting and abdominal cramps.  
Acute Toxicity (Dermal LD50) : No LD50 available. May be harmful in contact with skin.  
Acute Toxicity Inhalation LC50 : No LC50 available. May be harmful if inhaled.  
Likely Routes of Exposure : Skin, eye, inhalation, ingestion  
Skin Irritation : Causes mild skin irritation.  
Eye Irritation : Causes serious eye damage.  
Skin Sensitization : Not a skin sensitizer.  
Carcinogenic : Not listed by IARC, NTP or OSHA.  
Chronic Effects : None currently known.  
Other Hazards : CA PROPOSITION 65 WARNING: No listed ingredient appears on the CA PROPOSITION 65 WARNINGS listing.

### 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. (RCRA D002 for corrosivity due to pH)

### 14. Transport Information

UN Proper Shipping Name : Not regulated by DOT in packages <370 gallons.  
Transport Hazard Class : None  
UN Identification Number : None  
Packaging Group : None



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**Environmental Hazards** : No information found  
**Transport in Bulk** : Regulated by DOT in single packages >370 gallons: RQ, UN3082, Environmentally Hazardous Substance, Liquid, n.o.s., (Zinc Sulfate), 9, PG III "ERG #171"  
**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: 2 Fire: 0 Reactivity: 0  
Rating Level: (4-Extreme, 3-High, 2-Moderate, 1-Slight, 0-Minimum)

**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** : 30-August-2019