



# Safety Data Sheet

Report Date 10-May-15

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## 1. Identification

**Product Name** : TRACITE N ZINC 7-0-0  
**Synonyms** : None  
**Product Use** : Foliar Micronutrient - Zinc  
**Manufacturer/Supplier** : Helena Chemical Company  
**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 severe skin burns.  
**Eye Irritation** : Causes severe 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 Irritation - 1; Skin Irritation - 1C; Oxidizer - 3

**Hazard Statement** : May be harmful if swallowed  
May be harmful in contact with skin  
Causes serious eye damage  
Causes severe skin burns and eye damage  
May be harmful if inhaled  
May intensify fire; oxidizer

## 3. Composition / Information on Ingredients

Component	CAS Number	Weight %
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## 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.



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### 5. Fire Fighting Measures

- Extinguishing Media** : Use extinguishing media suitable for underlying cause of fire.
- Specific Hazards Arising from the Chemical** : Under fire conditions, may behave as an oxidizer. In contact with oxidizable substances, ignition, violent combustion or explosion could occur.
- 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 spill area.
- Protective Equipment** : Splashproof goggles or face shield, chemical-resistant gloves, impervious apron and footwear. No respiratory protection normally 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. If uncontaminated, collect and reuse as intended.

### 7. Handling and Storage

- Precautions for Safe Handling** : Keep locked up and out of reach of children. Product may react vigorously with alkaline materials. Do not contaminate water sources by cleaning of equipment or disposal of spray waste.
- Conditions for Safe Storage** : Store in a secure, dry, well-ventilated area. Store in original container only. Do not store near heat or open flame. Segregate from oxidizers and other incompatible materials.

### 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, chemical-resistant gloves, impervious apron and footwear. No respiratory protection normally needed. Eyewash and emergency shower should be available in work area.

### 9. Physical and Chemical Properties

- Odor/Appearance** : Clear, colorless liquid with slight burning odor.
- Flash Point, °F** : Not flammable. Oxidizer.
- Boiling Point, °F** : 210-212 Degrees F.
- Melting Point(Freezing point), °C** : <35 Degrees F.
- Vapor Pressure, mm Hg @ 20 °C** : 17.5 mmHg
- Vapor Density** : No information found
- Solubility in Water** : Soluble
- Molecular Formula** : Not applicable, formulated mixture.
- Density, g/mL @ 25 °C** : 1.594-1.614
- Evaporation Rate(Butyl Acetate = 1)** : No information found
- Octanol/Water Partition Coefficient** : No information found
- pH** : 1.50 to 1.80 (corrosive)



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**Flammable Limits (approximate volume % in air)** : No information found  
**Auto-ignition Temperature** : No information found  
**Decomposition temperature** : No information found

### 10. Stability and Reactivity

**Reactivity** : May react vigorously with alkaline materials.  
**Chemical Stability** : Stable  
**Hazardous Decomposition Products** : Produces nitrogen oxides under fire conditions.  
**Hazardous Polymerization** : Will not occur  
**Conditions to Avoid** : None currently known.  
**Incompatible Materials** : Avoid contact with oxidizable materials and alkaline materials.

### 11. Toxicological Information

**Acute Toxicity (Oral LD50)** : No LD50 available. Ingestion causes corrosive damage to the digestive tract.  
**Acute Toxicity (Dermal LD50)** : No LD50 available.  
**Acute Toxicity Inhalation LC50** : No LC50 available. Inhalation causes irritation to the nose and throat.  
**Likely Routes of Exposure** : Eyes, skin, ingestion  
**Skin Irritation** : Causes severe skin burns.  
**Eye Irritation** : Causes serious eye damage.  
**Skin Sensitization** : Not listed as a sensitizer.  
**Carcinogenic** : Not listed by IARC, NTP or OSHA.  
**Chronic Effects** : None currently known.  
**Other Hazards** : No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen.

### 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** : Zinc Nitrate Solution  
**Transport Hazard Class** : Oxidizer (5.1)  
**UN Identification Number** : UN1514  
**Packaging Group** : PG II  
**Environmental Hazards** : No information found  
**Transport in Bulk** : If shipped in single package  $\geq$  149 gallons, ship as RQ, UN1514, Zinc Nitrate Solution, 5.1, PG II "ERG # 140"



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**Special Precautions for Transportation** : ERG # 140

**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 Pressure: N  
Fire: Y  
Reactive: N

### 16. Other Information

**Data of Preparation/Revision** : 10-May-2015