



# Safety Data Sheet

Report Date 15-Nov-16

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## 1. Identification

**Product Name** : TRACITE HEP 35  
**Synonyms** : None  
**Product Use** : Chelated micronutrients and Alpha Keto Acids  
**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** : Warning  
**Skin Irritation** : Causes skin irritation  
**Eye Irritation** : Causes serious eye irritation  
**Acute Toxicity Oral** : LD50 1,520 mg/kg (mouse). Harmful if swallowed.  
**Acute Toxicity Dermal** : May be harmful in contact with skin.

**Hazard Categories** : Oral/Dermal/Inhalation Toxicity-4/5/5; Eye/Skin Irritation-2A/2

**Hazard Statement** : Harmful if swallowed  
May be harmful in contact with skin  
Causes serious eye irritation  
Causes skin irritation  
May be harmful if inhaled

## 3. Composition / Information on Ingredients

Component	CAS Number	Weight %
Blend of plant nutrients derived from magnesium glucoheptonate, copper glucoheptonate, iron glucoheptonate, sodium borate, manganese glucoheptonate, sodium molybdate and zinc glucoheptonate. The chelating agent is glucoheptonate.	Proprietary	100.00
GUARANTEED ANALYSIS:		
Magnesium (Mg):		1.50%
Sulfur (S):		4.00%
Boron (B):		0.16%
Copper (Cu):		0.06%
Iron (Fe):		3.50%
Manganese (Mn):		0.75%
Molybdenum (Mo):		0.003%
Zinc (Zn):		0.75%

## 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.



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- 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** : Treat symptomatically. If product is being mixed with pesticides and/or spray adjuvants, follow all precautionary statements on the accompanying product(s) labeling.

### 5. Fire Fighting Measures

- Extinguishing Media** : Non-combustible. Use extinguishing media suitable for underlying cause of fire.
- Specific Hazards Arising from the Chemical** : Generates toxic and irritating fumes 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 spill area.
- Protective Equipment** : Splashproof goggles or face shield, impervious gloves, impervious apron and footwear. Use NIOSH-approved respirator if vapors are present. Eyewash and emergency shower should be available in work area.
- Emergency Procedures** : Dike spilled product to prevent spreading to soil or to waterways, sewers or drains.
- Methods and Materials for Containment and Cleanup** : If uncontaminated, collect and reuse as intended. If contaminated, cover with absorbent, 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 for mixture.
- Appropriate Engineering Controls** : Local exhaust sufficient.
- Personal Protective Equipment** : Splashproof goggles or face shield, impervious gloves, impervious apron and footwear. Use NIOSH-approved respirator if vapors are present. Eyewash and emergency shower should be available in work area.

### 9. Physical and Chemical Properties

- Odor/Appearance** : Dark brown liquid; unspecified odor.
- Flash Point, °F** : Non-combustible
- Boiling Point, °F** : >100 Degrees C.
- Melting Point(Freezing point), °C** : <0 Degrees C.
- Vapor Pressure, mm Hg @ 20 °C** : Not established
- Vapor Density** : Not established



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**Solubility in Water** : Soluble  
**Molecular Formula** : Not applicable, formulated mixture.  
**Density, g/mL @ 25 °C** : 1.257-1.287  
**Evaporation Rate(Butyl Acetate = 1)** : Not established  
**Octanol/Water Partition Coefficient** : No information found  
**pH** : 3.5 to 5.0  
**Flammable Limits (approximate volume % in air)** : Not applicable  
**Auto-ignition Temperature** : No information found  
**Decomposition temperature** : No information found

### 10. Stability and Reactivity

**Reactivity** : No information found  
**Chemical Stability** : Stable  
**Hazardous Decomposition Products** : May produce oxides of carbon under fire conditions.  
**Hazardous Polymerization** : Will not occur  
**Conditions to Avoid** : None currently known  
**Incompatible Materials** : Product may react vigorously with acidic materials and strong oxidizing agents.

### 11. Toxicological Information

**Acute Toxicity (Oral LD50)** : 1,520 mg/kg (mouse). Harmful if swallowed.  
**Acute Toxicity (Dermal LD50)** : No data available. May be harmful in contact with skin.  
**Acute Toxicity Inhalation LC50** : No data available. May be harmful if inhaled.  
**Likely Routes of Exposure** : Eyes, skin, ingestion and inhalation.  
**Skin Irritation** : Causes skin irritation.  
**Eye Irritation** : Causes serious eye irritation.  
**Skin Sensitization** : Not listed as a sensitizer.  
**Carcinogenic** : Not listed by IARC, NTP or OSHA.  
**Chronic Effects** : No effects currently known  
**Other Hazards** : No effects 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



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**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** : None  
**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: N  
Reactive: N

### 16. Other Information

**Data of Preparation/Revision** : 15-November-2016