



# Safety Data Sheet

Report Date 02-Jun-15

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## 1. Identification

**Product Name** : TRACITE 10-54-4  
**Synonyms** : None  
**Product Use** : Soluble Fertilizer with Micronutrients  
**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, especially with repeated or prolonged contact.  
**Eye Irritation** : Causes serious eye irritation with contact.  
**Acute Toxicity Oral** : No LD50 available. May cause gastrointestinal upset if swallowed.  
**Acute Toxicity Dermal** : No LD50 available.

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

**Hazard Statement** : May be 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 %
Plant nutrients derived from potassium sulfate, ammonium phosphate, copper EDTA, iron EDTA, manganese EDTA, zinc EDTA, sodium borate and ammonium molybdate.	Proprietary	100.00
GUARANTEED ANALYSIS:		
Total Nitrogen (N): 10.00%		
Available Phosphate (P2O5): 54.00%		
Soluble Potash (K2O): 4.00%		
Sulfur (S): 1.40%		
Boron (B): 0.02%		
Copper (Cu): 0.05%		
Iron (Fe): 0.10%		
Manganese (Mn): 0.05%		
Molybdenum (Mo): 0.0005%		
Zinc (Zn): 0.05%		
Chlorine (Cl), maximum: 0.107%		
The chelating agent is EDTA (ethylenediaminetetraacetic acid).		

## 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** : In the event of an adverse response, treatment should be directed toward control of the symptoms.

### 5. Fire Fighting Measures

**Extinguishing Media** : Non-combustible solid. Use extinguishing media suitable for underlying cause of fire.

**Specific Hazards Arising from the Chemical** : This product may liberate ammonia gas 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. Respiratory protection not normally needed. Eyewash and emergency shower should be available in work area.

**Emergency Procedures** : Do not contaminate water supplies with spilled product.

**Methods and Materials for Containment and Cleanup** : Sweep up material and re-use if uncontaminated. If contaminated, transfer material to a suitable container 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 is 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** : White or yellow granules with ammonia odor.

**Flash Point, °F** : Not applicable

**Boiling Point, °F** : Not applicable

**Melting Point(Freezing point), °C** : Not applicable

**Vapor Pressure, mm Hg @ 20 °C** : Not applicable

**Vapor Density** : Not applicable



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

### 10. Stability and Reactivity

**Reactivity** : No information found  
**Chemical Stability** : Stable  
**Hazardous Decomposition Products** : Product may produce ammonia gas and phosphoric acid under fire conditions.  
**Hazardous Polymerization** : Will not occur  
**Conditions to Avoid** : None currently known.  
**Incompatible Materials** : Avoid contact with alkaline materials.

### 11. Toxicological Information

**Acute Toxicity (Oral LD50)** : No LD50 available. May be harmful if swallowed.  
**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, eyes, inhalation  
**Skin Irritation** : Causes skin irritation.  
**Eye Irritation** : Causes eye irritation.  
**Skin Sensitization** : Not listed as a skin sensitizer.  
**Carcinogenic** : None currently known.  
**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



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**UN Proper Shipping Name** : Not regulated by DOT, IATA or IMDG.  
**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), Solid, NOIBN (NMFC Item 68140, Sub 5, Class 50)

### 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)

**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** : 02-June-2015