



Safety Data Sheet

Report Date 01-Jul-15

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1. Identification

Product Name : TRACITE LIQUID SULFUR SIX
Synonyms : None
Product Use : Supplemental Nutrient - Sulfur
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 : Not classified for eye irritation.
Acute Toxicity Oral : Harmful if swallowed
Acute Toxicity Dermal : Not classified for dermal toxicity.

Hazard Categories : Oral Toxicity-4; Skin Irritation-2

Hazard Statement : Harmful if swallowed
Causes skin irritation

3. Composition / Information on Ingredients

Component	CAS Number	Weight %
Supplemental nutrient, derived from elemental sulfur. GUARANTEED ANALYSIS: Sulfur (S): 52.00%	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 fog, steam or carbon dioxide extinguishing agents. Extinguish small fires by gently covering with sand or fine earth to exclude oxygen.



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- Specific Hazards Arising from the Chemical** : Burning sulfur produces toxic sulfur dioxide gas.
- Special Fire Fight Proc** : Wear self-contained breathing apparatus and full protective clothing. Avoid using straight streams of water which will scatter molten sulfur.

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** : Isolate spill area from heat and flames.
- Methods and Materials for Containment and Cleanup** : Absorb spilled liquid with clay or sand. Collect and place in suitable chemical waste container for proper disposal. Flush spill area with water, cover with absorbent and place in containers with recovered product.

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 elemental sulfur available.
- Appropriate Engineering Controls** : Use good general ventilation.
- 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** : Yellow liquid with sulfurous odor.
- Flash Point, °F** : >200 Degrees F.
- Boiling Point, °F** : >194 Degrees F.
- Melting Point(Freezing point), °C** : <35 Degrees F.
- Vapor Pressure, mm Hg @ 20 °C** : Not determined
- Vapor Density** : Not determined
- Solubility in Water** : Dispersible
- Molecular Formula** : Not applicable, formulated mixture.
- Density, g/mL @ 25 °C** : 1.400
- Evaporation Rate(Butyl Acetate = 1)** : Not determined
- Octanol/Water Partition Coefficient** : No information found
- pH** : No information found
- Flammable Limits (approximate volume % in air)** : No information found
- Auto-ignition Temperature** : >450 Degrees F.
- Decomposition temperature** : No information found



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10. Stability and Reactivity

- Reactivity** : No information found
- Chemical Stability** : Stable
- Hazardous Decomposition** : May emit sulfur dioxide under fire conditions.
- Products**
- Hazardous Polymerization** : Will not occur
- Conditions to Avoid** : None currently known.
- Incompatible Materials** : Hazardous in contact with oxidizing materials, forming explosive mixture. May be corrosive to steel.

11. Toxicological Information

- Acute Toxicity (Oral LD50)** : >3,000 mg/kg (rat) for Sulfur and >90 mL/kg (rat) for proprietary inert. Harmful if swallowed.
- Acute Toxicity (Dermal LD50)** : >2,000 mg/kg (rabbit). Not classified as hazardous for dermal toxicity.
- Acute Toxicity Inhalation LC50** : >9.23 mg/L/4 hour (rat). Not classified as hazardous for inhalation.
- Likely Routes of Exposure** : Ingestion, skin
- Skin Irritation** : Causes skin irritation.
- Eye Irritation** : Not classified as hazardous.
- Skin Sensitization** : Not a skin sensitizer.
- Carcinogenic** : Not listed by IARC, NTP or OSHA.
- Chronic Effects** : No information found
- Other Hazards** : No information found

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 as packaged.
- 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)



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15. Regulatory Information

National Fire Protection Association Rating :

Health: 1 Fire: 1 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 : 01-July-2015