



Safety Data Sheet

Report Date 14-May-15

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1. Identification

Product Name : TRACITE HI-PHOS 12-48-8
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 : Irritating to skin
Eye Irritation : Irritating to eyes
Acute Toxicity Oral : Practically non-toxic if swallowed. Ingestion of large doses can cause irritation.
Acute Toxicity Dermal : Practically non-toxic in contact with skin.
Hazard Categories : Oral/Dermal/Inhalation Toxicity - 5/5/5; Eye Irritation - 2B; Skin Irritation - 2
Hazard Statement : May be harmful if swallowed
May be harmful in contact with skin
Causes 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 Ammonium Nitrate, Ammonium Phosphate, Potassium Nitrate, Sodium Borate, Copper EDTA, Iron EDTA, Manganese EDTA, Ammonium Molybdate, and Zinc EDTA. The chelating agent is EDTA Chelate (Disodium Ethylenediaminetetraacetic Acetate Chelate).	Proprietary	100.00
GUARANTEED ANALYSIS:		
Total Nitrogen (N):		12.00%
Available Phosphate (P ₂ O ₅):		48.00%
Soluble Potash (K ₂ O):		8.00%
Boron (B):		0.02%
Copper (Cu):		0.05%
Iron (Fe):		0.10%
Manganese (Mn):		0.05%
Molybdenum (Mo):		0.0005%
Zinc (Zn):		0.05%

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.



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

5. Fire Fighting Measures

- Extinguishing Media** : Not flammable. Use extinguishing media suitable for underlying cause of fire.
- Specific Hazards Arising from the Chemical** : No information found
- 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, impervious gloves, impervious apron and footwear. Use NIOSH-approved dust mask. Eyewash should be available in work area.
- Emergency Procedures** : Do not contaminate water supplies, lakes, streams, ponds or drains.
- Methods and Materials for Containment and Cleanup** : Sweep up spilled product and reuse, 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. Keep container tightly closed. Do not allow water to be introduced into the contents of this container.
- Conditions for Safe Storage** : Store in original container. 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, impervious gloves, impervious apron and footwear. Use NIOSH-approved dust mask. Eyewash should be available in work area.

9. Physical and Chemical Properties

- Odor/Appearance** : Pale blue powder; odorless.
- Flash Point, °F** : Not flammable
- Boiling Point, °F** : Not applicable
- Melting Point(Freezing point), °C** : Not applicable
- Vapor Pressure, mm Hg @ 20 °C** : Not applicable
- Vapor Density** : Not applicable
- Solubility in Water** : Soluble
- Molecular Formula** : Not applicable, formulated mixture.



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Density, g/mL @ 25 °C : 0.9
Evaporation Rate(Butyl Acetate = 1) : Not applicable
Octanol/Water Partition Coefficient : No information found
pH : 4.5 (5%)
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 : No information found
Chemical Stability : Stable
Hazardous Decomposition Products : Ammonia, oxides of nitrogen, phosphorus and potassium.
Hazardous Polymerization : Will not occur
Conditions to Avoid : Avoid contact with strong alkaline or acidic compounds.
Incompatible Materials : Strong alkaline or acidic compounds.

11. Toxicological Information

Acute Toxicity (Oral LD50) : No LD50 available. Practically non-toxic if swallowed.
Acute Toxicity (Dermal LD50) : No LD50 available. Practically non-toxic in contact with skin.
Acute Toxicity Inhalation LC50 : No LC50 available. No known significant effects or critical hazards.
Likely Routes of Exposure : Eyes, skin
Skin Irritation : Irritating to skin.
Eye Irritation : Irritating to eyes.
Skin Sensitization : Not listed as a sensitizer.
Carcinogenic : Not listed by IARC, NTP or OSHA.
Chronic Effects : Repeated skin exposure can produce local skin destruction or dermatitis.
Repeated exposure to eyes to a low level dust can produce eye irritation.
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 D.O.T.



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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: 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-May-2015