Safety Data Sheet

1. Identification

Product Name : TRACITE PEANUT PACKER
Synonyms : None
Product Use : Nitrogen/Chelated Micronutrients-Peanuts/Row Crops
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 (iron sulfate heptahydrate component)
Acute Toxicity Dermal : No data available

Hazard Categories : Oral/Dermal/Inhalation Toxicity-5/5/5; Eye/Skin Irritation-2A/2; STOT-RE:2 (central nervous system)

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 %
Blend of plant nutrients derived from urea, ferrous sulfate and manganese sulfate. GUARANTEED ANALYSIS: Total Nitrogen (N): 2.00% Sulfur (S): 3.00% Iron (Fe): 1.50% Manganese (Mn): 4.50% The chelating agent is glucoheptonate.	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 : Non-combustible liquid. Use extinguishing media suitable for underlying cause of fire.

Specific Hazards Arising from the Chemical : May produce metal oxides, sulfur oxides, nitrogen oxides, ammonia, etc. under fire conditions.

Special Fire Fight Proc : Wear self-contained breathing apparatus and full protective clothing. Dike runoff from fire fighting to prevent environmental contamination.

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, lakes, streams, ponds or drains with spilled product.

Methods and Materials for Containment and Cleanup : Contain product and reuse if uncontaminated. If contaminated, absorb with an inert material, such as clay or sand, collect and place in suitable containers for 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 : Ferrous sulfate heptahydrate (Iron salts, soluble (as Fe)) TLV=1 mg/m3; Manganese sulfate (Manganese compounds), PEL=5 mg/m3, TLV=0.2 mg/m3

Appropriate Engineering Controls : General and/or local exhaust should be 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 : Dark brown liquid with earthy odor.

Flash Point, ^{0}F : Non-combustible

Boiling Point, ^{0}F : >200 Degrees F.

Melting Point(Freezing point), ^{0}C : <32 Degrees F.

Vapor Pressure, mm Hg @ 20 ^{0}C : Not established

Vapor Density	: Not established
Solubility in Water	: Freely soluble
Molecular Formula	: Not applicable, formulated mixture.
Density, g/mL @ 25 ºC	: 1.234
Evaporation Rate(Butyl Acetate = 1)	: Not established
Octanol/Water Partition Coefficient	: No information found
pH	: No information found
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	: May produce metal oxides, sulfur oxides, nitrogen oxides, ammonia, cyanuric acid and volatile organics under fire conditions.
Hazardous Polymerization	: Will not occur
Conditions to Avoid	: None currently known
Incompatible Materials	: Avoid allowing the product to evaporate leading to crystallization.

11. Toxicological Information

Acute Toxicity (Oral LD50)	: 1,520 mg/kg for ferrous sulfate heptahydrate. May be harmful if swallowed.
Acute Toxicity (Dermal LD50)	: No data available. May be harmful in contact with skin.
Acute Toxicity Inhalation LC50	: No LC50 available. May be harmful if inhaled.
Likely Routes of Exposure	: Eyes, skin, inhalation
Skin Irritation	: Cause 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	: May cause damage to organs (central nervous system) through prolonged or repeated exposure via inhalation.
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

UN Proper Shipping Name : Not regulated by DOT, IATA or IMDG in current package configurations.
Transport Hazard Class : None
UN Identification Number : None
Packaging Group : None
Environmental Hazards : Reportable Quantity (RQ) for Ferrous Sulfate=1,000 lbs.
Transport in Bulk : Not offered in bulk packaging.
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: Y
Sudden Release of Pressure: N
Fire: N
Reactive: N

16. Other Information

Data of Preparation/Revision : 01-June-2015