



Safety Data Sheet

Report Date 14-May-15

Page 1 of 4

1. Identification

Product Name : TRACITE 20-10-20
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.
Eye Irritation : Causes eye irritation.
Acute Toxicity Oral : May be harmful if swallowed.
Acute Toxicity Dermal : May be harmful in contact with skin.

Hazard Categories : Oral/Dermal/Inhalation Toxicity - 5/5/5; Eye Irritation - 2B; Oxidizer

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
May intensify fire; oxidizer

3. Composition / Information on Ingredients

Component	CAS Number	Weight %
Blend of fertilizers and micronutrients derived from ammonium nitrate, ammonium phosphate, potassium nitrate, sodium borate, copper EDTA, iron EDTA, manganese EDTA, ammonium molybdate and zinc EDTA.	Proprietary	100.00
GUARANTEED ANALYSIS:		
Total Nitrogen (N): 20.00%		
Available Phosphate (P2O5): 10.00%		
Soluble Potash (K2O): 20.00%		
Boron (B): 0.02%		
Copper (Cu): 0.05%		
Iron (Fe): 0.10%		
Manganese (Mn): 0.05%		
Molybdenum (Mo): 0.0005%		
Zinc (Zn): 0.05%		
Chlorine (Cl), maximum: 0.025%		
Total Nitrogen (N): 20.00%		
Available Phosphate (P2O5): 10.00%		
Soluble Potash (K2O): 20.00%		
Boron (B): 0.02%		
Copper (Cu): 0.05%		
Iron (Fe): 0.10%		



Safety Data Sheet

Report Date 14-May-15

Page 2 of 4

Manganese (Mn): 0.05%
Molybdenum (Mo): 0.0005%
Zinc (Zn): 0.05%
Chlorine (Cl), maximum: 0.025%
Chelating Agent is EDTA Chelate
(Disodium Ethylenediaminetetraacetic
Acetate Chelate).

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 : Treat symptomatically.

5. Fire Fighting Measures

Extinguishing Media : Use extinguishing media suitable for underlying cause of fire.

Specific Hazards Arising from the Chemical : May produce toxic 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 dust mask. Eyewash should be available in work area.

Emergency Procedures : Do not contaminate water supplies with this product.

Methods and Materials for Containment and Cleanup : Sweep up material 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. Do not contaminate water, food or feed by storage, handling or disposal. Do not allow water to be introduced into the contents of this container.

Conditions for Safe Storage : Store in original container only. Keep container tightly closed. 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 information found

Appropriate Engineering Controls : Local exhaust sufficient.



Safety Data Sheet

Report Date 14-May-15

Page 3 of 4

Personal Protective Equipment : Splashproof goggles or face shield, 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 : Non-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.
Density, g/mL @ 25 °C : 1.0
Evaporation Rate(Butyl Acetate = 1) : Not applicable
Octanol/Water Partition Coefficient : No information found
pH : 4.5 (5%)
Flammable Limits (approximate volume % in air) : Not applicable
Auto-ignition Temperature : Not applicable
Decomposition temperature : Not applicable

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 acid compounds.
Incompatible Materials : Avoid contact with strong alkaline or acid compounds.

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 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



Safety Data Sheet

Report Date 14-May-15

Page 4 of 4

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 : Nitrates, Inorganic, n.o.s.,
Transport Hazard Class : Oxidizer (5.1)
UN Identification Number : UN1477
Packaging Group : PG III
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 : 04-May-2015