

Material Safety Data Sheet

Effective Date: 16-FEB-2007

Product: TRAFIX

I. IDENTIFICATION

Chemical Name: Liquid Humic Acids Extract  
Chemical Family: Not applicable  
Formula: Not applicable, formulated mixture.  
Synonyms: None  
CAS Number: Not applicable, formulated mixture.  
EPA Number: None required

II. PHYSICAL DATA

Boiling Point: 100 Degrees C.  
Freezing Point: <32 Degrees F.  
Spec Gravity: 1.031 gms/cc  
Vapor Pressure: Not determined  
Vapor Density: Not determined  
Solubility: 99%  
Volatiles: Not determined  
Evaporation: Not applicable  
Melting Point: Not applicable  
Appearance: Yellow liquid with no odor.

III. INGREDIENTS

Material	CAS Number	Percent	TLV	Hazard
Proprietary blend of hydrogen phosphate, phenolic hydrocarbons (5.00% Fulvic Acids) and water.		100.00	15 mg/m3	Mild skin and eye irritant.

IV. FIRE AND EXPLOSION HAZARD

Flash Point: Aqueous solution  
Autoignition Temp: Not applicable  
Flammable Limit: Not applicable  
Extinguishing Media: Non-combustible liquid. Use extinguishing media suitable for underlying cause of fire.  
Special Fire Fight Proc: Wear self-contained breathing apparatus and full protective clothing.  
Fire and Expl Hazard: At extreme temperatures, phosphorous oxide or carbon monoxide, an oxidation product, may be evolved.

Material Safety Data Sheet

Effective Date: 16-FEB-2007

Product: TRAFIX

-----  
V. HEALTH HAZARD  
-----

Carcinogen Information: Not a carcinogen

ACUTE EFFECTS OF OVER EXPOSURE  
-----

Swallowing: Ingestion may be harmful.  
Skin Absorption: The product may cause slight dermal effects to persons with sensitive skin.  
Inhalation: Inhalation may cause irritation of the respiratory tract.  
Skin contact: Prolonged skin contact may cause irritation.  
Eye Contact: May cause eye irritation with direct contact.  
Chronic Effects: None currently known.  
Other Hazard: None currently known.

EMERGENCY AND FIRST AID PROCEDURES  
-----

Swallowing: If swallowed, call a physician or poison control center. Drink 1 or 2 glasses of water and induce vomiting by touching back of throat with finger.  
Skin: Wash affected area with plenty of soap and water. Seek medical attention if irritation persists.  
Inhalation: Move to fresh air. Obtain medical attention if irritation develops.  
Eyes: Flush eyes with water for at least 15 minutes. Call a physician if irritation persists.  
Notes to Physician: In the event of an adverse response, treatment should be directed toward control of the symptoms and the clinical condition of the patient.

-----  
VI. REACTIVITY  
-----

Stability: Stable  
Conditions to Avoid: None currently known.  
Polymerization: Will Not Occur  
Conditions to Avoid: None currently known.  
Incompatibility material: Neutralization reaction will occur if exposed to alkaline materials.  
Hazardous Combustion: At extreme temperatures, phosphorous oxide or carbon monoxide, an oxidation product, may be evolved.

Helena Chemical Company  
PH: 901-761-0050  
CHEMTREC: 800-424-9300

19-FEB-2007 08:25:31  
Page 3 Of 4

Material Safety Data Sheet

Effective Date: 16-FEB-2007

Product: TRAFIX

VII. SPILL OR LEAK PROCEDURES

Spill or Leak Proc: Contain product. Reuse if uncontaminated. If contaminated, absorb material with an absorbent material such as clay or sand and place in a suitable container for proper disposal. Do not contaminate water supplies.

Waste Disposal Method: This material must be disposed of according to Federal, State or Local procedures under the Resource Conservation and Recovery Act.

VIII. SPECIAL PROTECTION INFORMATION

Respiration: None needed under normal use conditions.  
Ventilation: Natural ventilation is usually adequate.  
Gloves: Rubber gloves.  
Eyes: Chemical goggles.  
Other: Emergency shower, eyewash station, impervious apron and footwear.

IX. SPECIAL PRECAUTIONS

Special precaution: Keep out of reach of children. Do not store with food, feed or other material to be used or consumed by humans or animals. Do not contaminate water supplies, lakes, streams or ponds.

Other precaution: None currently known.

X. SHIPPING INFORMATION

Shipping name: Not regulated by D.O.T.  
Hazard Class: None  
Identification No: None  
Labels Required: None required  
Placarding: None  
Freight Class: Compound, Fertilizer (Manufactured Fertilizer), Liquid, NOIBN (NMFC Item 68140, Sub 6, Class 70)

Helena Chemical Company  
PH: 901-761-0050  
CHEMTREC: 800-424-9300

19-FEB-2007 08:25:31  
Page 4 Of 4

Material Safety Data Sheet

Effective Date: 16-FEB-2007

Product: TRAFIX

-----  
Chemical Name

-----  
Equivalent R.Q.

-----  
Not applicable

-----  
Not applicable

-----  
XI. GENERAL PRODUCT INFORMATION

-----  
National Fire Protection Association Rating:

(Rating level: 4-Extreme, 3-High, 2-Moderate, 1-Slight, 0-Minimum)

Health: 2

Fire: 0

Reactivity: 0

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

-----  
Mail inquiries to: 225 Schilling Blvd., Suite 300 Collierville, TN 38017  
Helena Chemical Company believes that the data contained herein is factual.  
This data is not to be taken as a warranty or representation of legal  
responsibility. It is offered solely for your consideration, investigation  
and verification.