

Material Safety Data Sheet

Effective Date: 21-APR-2010
Product: TRACITE LIQUID BORON 10%, HELENA

I. IDENTIFICATION

Chemical Name: Mixed Borates
Chemical Family: Inorganic Metal Salts
Formula: Not applicable, formulated mixture.
Synonyms: Liquid Boron
CAS Number: 26038-87-9
EPA Number: None required

II. PHYSICAL DATA

Boiling Point: >100 Degrees C.
Freezing Point: <32 Degrees F.
Spec Gravity: 1.331 gms/cc.
Vapor Pressure: Not determined
Vapor Density: Not determined
Solubility: 99%
Volatiles: <1%
Evaporation: Not determined
Melting Point: Not applicable
Appearance: Yellow to amber liquid with slight amine odor.

III. INGREDIENTS

Material	CAS Number	Percent	TLV	Hazard
Borates, tetra, sodium salts and decahydrate		65.00	5 mg/m3	Skin & eye irritant
Water		35.00	N/E	Not determined

NOTE: N/E = Not Established

IV. FIRE AND EXPLOSION HAZARD

Flash Point: Non-combustible
Autoignition Temp: Not applicable
Flammable Limit: Not applicable
Extinguishing Media: Non-combustible liquid. Extinguishing media for underlying cause of fire should be used.
Special Fire Fight Proc: Wear self-contained breathing apparatus and full protective equipment. Use water spray to keep fire-exposed containers cool.
Fire and Expl Hazard: This product may generate toxic fumes under fire conditions.

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V. HEALTH HAZARD

Carcinogen Information: None currently known.

ACUTE EFFECTS OF OVER EXPOSURE

Swallowing: Low toxicity - no symptoms noted.
Skin Absorption: None currently known.
Inhalation: Nose irritation.
Skin contact: Prolonged skin contact may cause mild irritation.
Eye Contact: Direct eye contact with liquid may cause irritation.
Chronic Effects: None currently known.
Other Hazard: None currently known.

EMERGENCY AND FIRST AID PROCEDURES

Swallowing: Give 2 to 4 glasses of water and induce vomiting. Consult a physician.
Skin: Wash skin thoroughly with soap and water. If irritation develops, consult a physician.
Inhalation: Move to fresh air if irritation is noted. Consult a physician if irritation persists.
Eyes: Flush eyes with water for 15 minutes, holding eyelids open. If irritation develops, consult a physician.
Notes to Physician: In the event of an adverse response, treatment should be directed toward control of the symptoms. Ingestion may cause corrosive damage to the digestive tract.

VI. REACTIVITY

Stability: Stable
Conditions to Avoid: None currently known.
Polymerization: Will Not Occur
Conditions to Avoid: None currently known.
Incompatibility material: Product may gel in the presence of acid materials.
Hazardous Combustion: Burning can produce carbon dioxide and carbon monoxide.

VII. SPILL OR LEAK PROCEDURES

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Spill or Leak Proc: Dike and absorb spill with an absorbent such as clay, sand, or sawdust. Transfer to suitable containers for proper disposal. Flush spill area with water, absorb and place in same containers with other material.

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: If spray is present, use NIOSH/MSHA approved respiratory protection.

Ventilation: Local exhaust sufficient.

Gloves: Impervious

Eyes: Chemical workers goggles.

Other: 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: This product does not contain any chemical subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372.

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

Chemical Name

Equivalent R.Q.

Not applicable

Not applicable

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

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XI. GENERAL PRODUCT INFORMATION

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

Health: 1 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
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