

Material Safety Data Sheet

Effective Date: 18-NOV-2002  
Product: BAYONET

I. IDENTIFICATION

Chemical Name: Trifluralin Herbicide  
Chemical Family: Herbicides  
Formula: Not applicable, formulated mixture.  
Synonyms: None  
CAS Number: Not applicable, formulated mixture.  
EPA Number: 1812-328-5905

II. PHYSICAL DATA

Boiling Point: Not applicable  
Freezing Point: Not applicable  
Spec Gravity: Not determined  
Vapor Pressure: Not determined  
Vapor Density: Not applicable  
Solubility: Not dispersible  
Volatiles: Not determined  
Evaporation: Not applicable  
Melting Point: Not determined  
Appearance: Yellow to yellow-brown granules.

III. INGREDIENTS

Material	CAS Number	Percent	TLV	Hazard
Trifluralin	1582-09-8	10.00	N/E	Moderately toxic; slight eye irritant
Inert ingredients		90.00		Non-hazardous

IV. FIRE AND EXPLOSION HAZARD

Flash Point: >200 Degrees F.  
Autoignition Temp: No ignition up to 1382 Deg. C.  
Flammable Limit: Not determined  
Extinguishing Media: Use dry chemical, carbon dioxide, water spray or foam.  
Special Fire Fight Proc: Wear self-contained breathing apparatus and full protective clothing.  
Fire and Expl Hazard: Thermal decomposition may release toxic and/or hazardous gases.

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V. HEALTH HAZARD

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Carcinogen Information: Not currently listed.

ACUTE EFFECTS OF OVER EXPOSURE

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Swallowing: Product is moderately toxic if ingested. Acute Oral LD50 > 5,000 mg/kg.  
Skin Absorption: Acute Dermal LD50 > 2,000 mg/kg. Non-irritating with skin contact.  
Inhalation: Not considered an inhalation hazard due to the coarse granular nature.  
Skin contact: Non-irritating with skin contact.  
Eye Contact: May cause slight to moderate eye irritation with contact.  
Chronic Effects: None currently known.  
Other Hazard: None currently known.

EMERGENCY AND FIRST AID PROCEDURES

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Swallowing: Drink 1 to 2 glasses of water and induce vomiting by touching the back of throat with finger. Do not induce vomiting or give anything by mouth to an unconscious person. Seek immediate medical attention.  
Skin: Remove contaminated clothing and shoes. Wash with plenty of soap and water. Seek medical attention if irritation persists.  
Inhalation: Remove to fresh air. If not breathing, administer artificial respiration. Get medical attention immediately.  
Eyes: Flush eyes with water for at least 15 minutes, holding eyelids wide open. Seek medical attention 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.

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VI. REACTIVITY

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Stability: Stable  
Conditions to Avoid: Not determined  
Polymerization: Will Not Occur  
Conditions to Avoid: Not determined  
Incompatibility material: None currently known.

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Hazardous Combustion: Thermal decomposition may release toxic and/or hazardous gases.

VII. SPILL OR LEAK PROCEDURES

Spill or Leak Proc: Sweep up and place in suitable containers for later disposal. Avoid getting spilled material into water supplies, lakes, streams, or ponds.  
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 conditions of use.  
Ventilation: Local exhaust normally sufficient.  
Gloves: Chemical resistant gloves.  
Eyes: Use safety glasses or chemical splash goggles.  
Other: Long sleeve shirt and long pants, shoes plus socks, eyewash station and emergency shower.

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

X. SHIPPING INFORMATION

Shipping name: Package >= 100 lbs: RQ, Environmentally Hazardous Substances, Solid, n.o.s. (Trifluralin 10%), 9, UN3077, PG III "ERG # 171"  
Hazard Class: Class 9  
Identification No: UN3077  
Labels Required: Class 9  
Placarding: None required domestically

Helena Chemical Company  
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CHEMTREC: 800-424-9300

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Freight Class: Compound, Weed Killing, Solid, (Herbicide),  
N.O.I. (NMFC Item 50320, Class 60)  
Chemical Name Equivalent R.Q.  
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Trifluralin (CAS No. 1582-09-8) 10 lbs./4.54 kg

TRANSPORTATION NOTE: Not regulated in packages less than 100 lbs.

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

Health: 2                      Fire: 1                      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

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Mail inquiries to: 225 Schilling Blvd., Suite 300 Collierville, TN 38017  
Helena Chemical Company believes that the data contained herein is factual.  
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responsibility. It is offered solely for your consideration, investigation  
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