



Safety Data Sheet

Report Date 03-May-15

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1. Identification

Product Name : BAYONET 2
Synonyms : None
Product Use : Soil Herbicides
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 (no symbol)
Skin Irritation : Causes mild skin irritation.
Eye Irritation : Causes eye irritation.
Acute Toxicity Oral : LD50 >5,000 mg/kg (rat). May be harmful if swallowed.
Acute Toxicity Dermal : >2,000 mg/kg (rabbit). May be harmful in contact with skin.

Hazard Categories : Oral/Dermal/Inhalation Toxicity - 5/5/5; Eye Irritation - 2B; Skin Irritation - 3

Hazard Statement : May be harmful if swallowed
May be harmful in contact with skin
Causes eye irritation
Causes mild skin irritation
May be harmful if inhaled

3. Composition / Information on Ingredients

Component	CAS Number	Weight %
Trifluralin	1582-09-8	10.00
Indole-3-butyric Acid	133-32-4	0.001
Inert ingredients	Proprietary	89.99

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 : No specific antidote. Treatment should be directed toward control of the symptoms.

5. Fire Fighting Measures

Extinguishing Media : Use dry chemical, carbon dioxide, water spray or foam.
Specific Hazards Arising from the Chemical : Thermal decomposition may release toxic and/or hazardous gases.



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Special Fire Fight Proc : Wear self-contained breathing apparatus and full protective clothing.

6. Accidental Release Measures

- Personal Precautions** : Keep unprotected or unnecessary personnel out of spill area.
- Protective Equipment** : Splashproof goggles or face shield, chemical-resistant gloves, long-sleeved shirt and long pants, socks and shoes. No respiratory protection 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** : Sweep up spilled product and place in suitable containers for proper disposal. If uncontaminated, reuse product in accordance with label instructions. If contaminated, dispose of in accordance with regulatory guidelines.

7. Handling and Storage

- Precautions for Safe Handling** : Keep out of reach of children. Do not contaminate water, food, feed, other pesticides, fertilizer or seeds by storage, handling or disposal. Avoid breathing dust and contact with skin, eyes and clothing.
- Conditions for Safe Storage** : Store in original container.

8. Exposure Controls / Personal Protection

- TLV/PEL** : No TLV or PEL established for trifluralin or indole-3-butyric acid.
- Appropriate Engineering Controls** : Local exhaust normally sufficient.
- Personal Protective Equipment** : Splashproof goggles or face shield, chemical-resistant gloves, long-sleeved shirt and long pants, socks and shoes. No respiratory protection normally needed. Eyewash and emergency shower should be available in work area.

9. Physical and Chemical Properties

- Odor/Appearance** : Yellow to yellow-brown granules.
- Flash Point, °F** : >200 Degrees F.
- 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** : Not dispersible
- Molecular Formula** : Not applicable, formulated mixture.
- Density, g/mL @ 25 °C** : 41 to 51 lbs./cu. ft.
- Evaporation Rate(Butyl Acetate = 1)** : Not applicable
- Octanol/Water Partition Coefficient** : No information found
- pH** : No information found
- Flammable Limits (approximate volume % in air)** : Not determined
- Auto-ignition Temperature** : No ignition up to 1382 Deg. C.
- Decomposition temperature** : No information found

10. Stability and Reactivity



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- Reactivity** : No information found
Chemical Stability : Stable
Hazardous Decomposition Products : Thermal decomposition may release toxic and/or hazardous gases.
Hazardous Polymerization : Will not occur
Conditions to Avoid : Avoid strong oxidizing agents such as bases and acids.
Incompatible Materials : None currently known.

11. Toxicological Information

- Acute Toxicity (Oral LD50)** : >5,000 mg/kg (rat). May be harmful if swallowed.
Acute Toxicity (Dermal LD50) : >2,000 mg/kg (rabbit). 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 mild skin irritation.
Eye Irritation : Causes eye irritation.
Skin Sensitization : No information found.
Carcinogenic : Not listed by IARC, NTP or OSHA.
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
Mobility in Soil : No information found
Other Adverse Effects : Trifluralin is a marine pollutant.

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 in single package size <100 pounds. Regulated if shipped by air (IATA) or water (IMDG).
Transport Hazard Class : None
UN Identification Number : None
Packaging Group : None
Environmental Hazards : Marine Pollutant. If shipped in bulk by ground (DOT), or in any size package by air (IATA) or water (IMDG), ship as: UN3077, Environmentally Hazardous Substance, Solid, n.o.s., (Trifluralin), 9, PG III, Marine Pollutant
Transport in Bulk : If shipped in single package \geq 100 lbs by ground (DOT), ship as RQ, UN3077, Environmentally Hazardous Substance, Solid, n.o.s., (Trifluralin), 9, PG III "ERG # 171"
Special Precautions for Transportation : No information found
Freight Classification : Pesticides, NOI, Herbicides, Other than Poison (NMFC Item 155050, Sub 11, Class 70)



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15. Regulatory Information

National Fire Protection Association Rating :

Health: 2 Fire: 1 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

FIFRA Information : This Chemical is a pesticide product registered by the Environmental Protection Agency and is subject to certain labelling requirements under federal pesticide law. These requirements differ from the classification criteria and hazard information required for safety data sheets, and for workplace labels of non-pesticide chemicals. Following is the hazard information as required on the pesticide label:

EPA Registration Number : 5905-554

FIFRA Signal Word : Caution

FIFRA Label Statement : Keep out of reach of children.

FIFRA Label Statement : Harmful if absorbed through skin.

FIFRA Label Statement : Causes moderate eye irritation.

FIFRA Label Statement : Avoid contact with eyes, skin or clothing.

FIFRA Label Statement : Prolonged or frequently repeated skin contact may cause allergic reaction in some individuals.

FIFRA Label Statement : No additional label statements.

FIFRA Label Statement : No additional label statements.

16. Other Information

Data of Preparation/Revision : 03-May-2015