



Safety Data Sheet

Report Date 03-May-15

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1. Identification

Product Name : BATTLESHIP III HERBICIDE
Synonyms : None
Product Use : Broadleaf Selective Herbicide
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 : Danger
Skin Irritation : Causes skin irritation.
Eye Irritation : Causes serious eye damage.
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 - 1; Skin Irritation - 2

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

3. Composition / Information on Ingredients

| Component | CAS Number | Weight % |
|---|-------------|----------|
| MCPA Amine (Dimethylamine Salt of 2-Methyl-4-Chlorophenoxyacetic Acid) | 2039-46-5 | 37.84 |
| Triclopyr (Triethylamine Salt of 3,5,6-Trichloro-2-Pyridinyloxyacetic Acid) | 57213-69-1 | 4.07 |
| 1-Methylhepty Ester of Fluroxypyr | 81406-37-3 | 4.45 |
| Blend of inert ingredients, including nonionic surfactants. | Proprietary | 53.64 |

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. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by a poison control center or doctor. Do not give anything by mouth if unconscious.

Indication of Immediate Medical Attention and Special Treatment Needed : There is no specific antidote for this formulation. Treatment should be directed toward control of the symptoms and the clinical condition of the patient.



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5. Fire Fighting Measures

- Extinguishing Media** : Use foam or water spray for large fires. Use carbon dioxide, dry chemical or foam for smaller fires.
- Specific Hazards Arising from the Chemical** : If water is used to fight fire, contain runoff, using dikes to prevent contamination of water supplies. Dispose of fire control water later.
- Special Fire Fight Proc** : Wear self-contained breathing apparatus and full protective clothing. Dike area to prevent runoff and contamination of water sources. Dispose of fire control water later.

6. Accidental Release Measures

- Personal Precautions** : Keep unprotected and unnecessary personnel out of spill area.
- Protective Equipment** : Splashproof goggles or face shield, impervious gloves, long-sleeved shirt and long pants, socks and shoes. Respiratory protection not normally required. Eyewash and emergency shower should be available in work area.
- Emergency Procedures** : Prevent material from entering any waterways or public sewers.
- Methods and Materials for Containment and Cleanup** : Absorb small spills with an inert absorbent, such as clay, sand or vermiculite. Large spills to soil or other surfaces may require removal.

7. Handling and Storage

- Precautions for Safe Handling** : Keep out of reach of children. Do not contaminate water, food or feed by storage, handling or disposal. Containers should be opened in a well-ventilated area. Keep container tightly sealed when not in use.
- Conditions for Safe Storage** : Always store pesticides in a secured warehouse or storage building. Store at temperatures above 25 Degrees F. Protect from freezing. If allowed to freeze, remix well before using. Freezing does not alter the product. Do not stack cardboard cases more than two pallets high. Do not store near open containers fertilizer, seed or other pesticides.

8. Exposure Controls / Personal Protection

- TLV/PEL** : TLV: MCPA - 5 mg/m³; Fluroxypyr - 10 ppm; Triclopyr - not established
- Appropriate Engineering Controls** : Local exhaust ventilation to minimize airborne concentrations.
- Personal Protective Equipment** : Splashproof goggles or face shield, impervious gloves, long-sleeved shirt and long pants, socks and shoes. Respiratory protection not normally required. Eyewash and emergency shower should be available in work area.

9. Physical and Chemical Properties

- Odor/Appearance** : Clear amber liquid; mild, ester-like odor.
- Flash Point, °F** : Not determined
- Boiling Point, °F** : Not determined
- Melting Point(Freezing point), °C** : Not determined
- Vapor Pressure, mm Hg @ 20 °C** : Not applicable
- Vapor Density** : Not determined
- Solubility in Water** : Soluble
- Molecular Formula** : Not applicable, formulated mixture.
- Density, g/mL @ 25 °C** : 1.112 to 1.132



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Evaporation Rate(Butyl Acetate = 1) : Not determined
Octanol/Water Partition Coefficient : No information found
pH : 4.3-5.2 (1%)
Flammable Limits (approximate volume % in air) : Not determined
Auto-ignition Temperature : Not determined
Decomposition temperature : No information found

10. Stability and Reactivity

Reactivity : No information found
Chemical Stability : Stable
Hazardous Decomposition Products : May produce gases such as hydrogen chloride, other chlorine compounds, oxides of nitrogen, carbon and phosphorous.
Hazardous Polymerization : Will not occur
Conditions to Avoid : Excessive heat. Do not store in direct sunlight or near heat or flame.
Incompatible Materials : Avoid strong oxidizing agents, such as bases and acids.

11. Toxicological Information

Acute Toxicity (Oral LD50) : No data available. May be harmful if swallowed.
Acute Toxicity (Dermal LD50) : No data available. May be harmful in contact with skin.
Acute Toxicity Inhalation LC50 : No data available. May be harmful if inhaled.
Likely Routes of Exposure : Eyes, skin, inhalation, ingestion
Skin Irritation : Causes skin irritation.
Eye Irritation : Causes serious eye damage.
Skin Sensitization : No information found.
Carcinogenic : Not listed.
Chronic Effects : Exposure may aggravate pre-existing chronic respiratory problems, such as asthma or emphysema. Pre-existing skin conditions may also be aggravated by exposure.
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 : 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 : Not regulated by DOT.



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Transport Hazard Class : None
UN Identification Number : None
Packaging Group : None
Environmental Hazards : No information found
Transport in Bulk : No information found
Special Precautions for Transportation : No information found
Freight Classification : Pesticides, NOI, Herbicides, Other than Poison (NMFC Item 155050, Sub 11, Class 70)

15. Regulatory Information

National Fire Protection Association Rating :

Health: 3 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 : 228-453-5905
FIFRA Signal Word : Danger
FIFRA Label Statement : Keep out of reach of children.
FIFRA Label Statement : Corrosive. Causes irreversible eye damage.
FIFRA Label Statement : Harmful if swallowed.
FIFRA Label Statement : Harmful if absorbed through skin.
FIFRA Label Statement : Do not get in eyes or on clothing.
FIFRA Label Statement : Avoid contact with skin.
FIFRA Label Statement : No additional label statements.

16. Other Information

Data of Preparation/Revision : 03-May-2015