



Safety Data Sheet

Report Date 26-Feb-16

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1. Identification

Product Name : TrumpCard (EPA Reg. No. 5905-581)
Synonyms : None
Product Use : Post-emergent 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 : Slightly irritating to the skin; mean score of 1.6.
Eye Irritation : Severely irritating to the eyes with irreversible damage.
Acute Toxicity Oral : LD50 >1,030 mg/kg (rat)
Acute Toxicity Dermal : LD50 >5,000 mg/kg (rat)

Hazard Categories : Oral/Dermal/Inhalation Toxicity-4/5/4; Eye/Skin Irritation-1/3

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

3. Composition / Information on Ingredients

Component	CAS Number	Weight %
Fluroxypyr 1-Methylheptyl Ester	81406-37-3	9.92
2,4-Dichlorophenoxyacetic Acid	94-75-7	27.59
Inert ingredients	Proprietary	62.49

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 : There is no specific antidote. Provide supportive care. Treatment should be based on the judgment of the physician in response to the reactions of the patient. This material may pose an aspiration hazard.

5. Fire Fighting Measures



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Extinguishing Media : Use foam, water spray, dry chemical or carbon dioxide extinguishing agents.
Specific Hazards Arising from the Chemical : May emit toxic fumes under fire controls.
Special Fire Fight Proc : Wear self-contained breathing apparatus and full protective clothing. Prevent runoff of firefighting water.

6. Accidental Release Measures

Personal Precautions : Keep unprotected and unnecessary personnel out of spill area.
Protective Equipment : Splashproof goggles or face shield, impervious gloves, impervious apron and footwear. Use NIOSH-approved air-purifying respirator for organic vapors when needed. Eyewash and emergency shower should be available in work area.
Emergency Procedures : Contain spills to prevent runoff to any water sources or supplies.
Methods and Materials for Containment and Cleanup : Absorb small spills with an inert absorbent, such as clay, sand or dirt. Collect and place in suitable containers for proper disposal. Contain large spills to prevent runoff to any water sources or supplies.

7. Handling and Storage

Precautions for Safe Handling : Keep locked up and out of reach of children. Do not contaminate water, food or feed by storage, handling or disposal. Keep container tightly closed. Do not allow water to be introduced into the contents of the container.
Conditions for Safe Storage : Store in original containers only. Keep container closed when not in use. Do not store near food or feed. In case of spill on floor or paved surfaces, mop and remove to chemical waste storage area until proper disposal can be made, if product cannot be used in accordance with the label.

8. Exposure Controls / Personal Protection

TLV/PEL : Fluoroxypyr 1-Methylheptyl Ester: no TLV or PEL established. 2,4-D Acid: PEL=10 mg/m³, TLV=10 mg/m³
Appropriate Engineering Controls : General and/or local exhaust should be sufficient.
Personal Protective Equipment : Splashproof goggles or face shield, impervious gloves, impervious apron and footwear. Use NIOSH-approved air-purifying respirator for organic vapors when needed. Eyewash and emergency shower should be available in work area.

9. Physical and Chemical Properties

Odor/Appearance : Clear amber to dark amber liquid, aromatic odor.
Flash Point, °F : >100 Degrees C.
Boiling Point, °F : Not determined
Melting Point(Freezing point), °C : Not determined
Vapor Pressure, mm Hg @ 20 °C : Not determined
Vapor Density : Not determined
Solubility in Water : Not determined
Molecular Formula : Not applicable, formulated mixture.
Density, g/mL @ 25 °C : 1.145-1.165
Evaporation Rate(Butyl Acetate = 1) : Not determined
Octanol/Water Partition Coefficient : No information found
pH : 2.0 to 3.0 (2.5%)
Flammable Limits (approximate volume % in air) : Not determined



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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 oxides of nitrogen and other toxic fumes under fire conditions.
Hazardous Polymerization : Will not occur
Conditions to Avoid : None currently known.
Incompatible Materials : Avoid contact with strong oxidizers.

11. Toxicological Information

Acute Toxicity (Oral LD50) : >1,030 mg/kg (rat). Harmful if swallowed.
Acute Toxicity (Dermal LD50) : >5,000 mg/kg (rat). May be harmful in contact with skin.
Acute Toxicity Inhalation LC50 : 1.285 mg/L (calculated). Harmful if inhaled.
Likely Routes of Exposure : Eyes, inhalation, ingestion, skin
Skin Irritation : Causes mild skin irritation.
Eye Irritation : Causes serious eye damage.
Skin Sensitization : Not a contact sensitizer.
Carcinogenic : 2,4-D: IARC Group 2B, possibly carcinogenic to humans.
Chronic Effects : Contains xylene range aromatic solvent; may pose an aspiration pneumonia hazard.
Other Hazards : Various animal cancer tests have shown no reliably positive association between 2,4-D exposure and cancer. Epidemiology studies on herbicide use have been both positive and negative with the majority being negative.

12. Ecological Information

Ecotoxicity : Fluroxypyr is a marine pollutant under international standards.
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. (D016=2,4-D)

14. Transport Information

UN Proper Shipping Name : Not regulated by DOT in containers less than 37.7 gallons.
Transport Hazard Class : None
UN Identification Number : None
Packaging Group : None
Environmental Hazards : If shipped by air (IATA) or water (IMDG), ship as: UN3082, Environmentally Hazardous Substance, Liquid, n.o.s., (Fluroxypyr, 2,4-D Acid), 9, PG III, Marine Pollutant



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- Transport in Bulk** : If shipped in single packages ≥ 37.7 gallons, ship as: RQ, UN3082, Environmentally Hazardous Substance, Liquid, n.o.s., (2,4-D Acid), 9, PG III "ERG # 171"
- Special Precautions for Transportation** : Reportable Quantity (RQ) for 2,4-D=100 lbs/37.7 gallons.
- Freight Classification** : Pesticides, NOI, Herbicides, Other than Poison (NMFC Item 155050, Sub 11, Class 70)

15. Regulatory Information

National Fire Protection Association Rating :

Health: 2 Fire: 1 Reactivity: 1
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: Y
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** : 5905-581
- FIFRA Signal Word** : Danger
- FIFRA Label Statement** : Corrosive.
- FIFRA Label Statement** : Causes irreversible eye damage.
- FIFRA Label Statement** : Harmful if swallowed.
- FIFRA Label Statement** : Do not get in eyes or on clothing.
- FIFRA Label Statement** : Avoid breathing spray mist.
- FIFRA Label Statement** : No additional label statements.
- FIFRA Label Statement** : No additional label statements.

16. Other Information

Data of Preparation/Revision : 26-February-2016