



Safety Data Sheet

Report Date 25-Feb-16

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1. Identification

Product Name : WILDCARD XTRA
Synonyms : None
Product Use : Bromoxynil Octanoate + MCPA 2-Ethylhexyl Ester
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 mild skin irritation
Eye Irritation : Causes eye irritation
Acute Toxicity Oral : LD50 760 mg/kg (female rat)
Acute Toxicity Dermal : LD50 >5,050 mg/kg (rabbit)

Hazard Categories : Oral/Dermal/Inhalation/Reproductive Tox-4/5/5/2; Eye/Skin Irr-2B/3; STOT-RE-2; Carcinogenicity-2

Hazard Statement : Harmful if swallowed
May be harmful in contact with skin
Causes eye irritation
Causes mild skin irritation
May be harmful if inhaled
Suspected of damaging fertility or the unborn child
May cause damage to organs (liver, kidneys) through prolonged or repeated exposure
Suspected of causing cancer

3. Composition / Information on Ingredients

Component	CAS Number	Weight %
Bromoxynil Octanoic Ester Technical	1689-99-2	33.37
MCPA Ester (Technical)	29450-45-1	36.44
Inert ingredients	Proprietary	30.19



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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** : In the event of an adverse response, treatment should be directed toward control of the symptoms.

5. Fire Fighting Measures

- Extinguishing Media** : Use dry chemical, carbon dioxide or alcohol extinguishing agents. Water is not recommended.
- Specific Hazards Arising from the Chemical** : May emit toxic and corrosive fumes under fire conditions.
- Special Fire Fight Proc** : Wear self-contained breathing apparatus and full protective clothing. Dike area to prevent runoff of contaminated liquids.

6. Accidental Release Measures

- Personal Precautions** : Keep unprotected and unnecessary personnel out of spill area. Wear appropriate personal protective equipment.
- Protective Equipment** : Splashproof goggles or face shield, impervious gloves, impervious apron and footwear. Respiratory protection not normally needed. Eyewash and emergency shower should be available in work area.
- Emergency Procedures** : Prevent material from entering public sewer systems or any waterways. Do not flush to drain.
- Methods and Materials for Containment and Cleanup** : Dike spill using an absorbent or impervious material, such as clay, sand or earth. Collect and contain contaminated absorbent and dike material for disposal. Pump any free liquids into appropriate containers for disposal. Spills may be reportable to the National Response Center (NRC) or other agencies.

7. Handling and Storage



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- Precautions for Safe Handling** : Avoid contact with skin, eyes or clothing. Avoid breathing spray mist. Users should wash hands before eating, drinking, chewing gum, using tobacco or using the toilet. Remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing. Remove PPE immediately after handling this product. Wash outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.
- Conditions for Safe Storage** : Store at temperatures above 3 Degrees F. If allowed to freeze, remix before using. Do not contaminate water, food, or feed by storage or disposal.

8. Exposure Controls / Personal Protection

- TLV/PEL** : No TLV or PEL for either Bromoxynil or MCPA 2-ethylhexyl ester. Contains naphthalene as an inert ingredient; OSHA PEL 10 ppm, ACGIH TLV 10 ppm.
- Appropriate Engineering Controls** : Use local exhaust ventilation at the point of generation.
- Personal Protective Equipment** : Splashproof goggles or face shield, impervious gloves, impervious apron and footwear. Respiratory protection not normally needed. Eyewash and emergency shower should be available in work area.

9. Physical and Chemical Properties

- Odor/Appearance** : Clear amber liquid with phenoxy odor.
- Flash Point, °F** : >200 Degrees F.
- Boiling Point, °F** : Not determined
- Melting Point(Freezing point), °C** : Not determined
- Vapor Pressure, mm Hg @ 20 °C** : Not applicable
- Vapor Density** : Not applicable
- Solubility in Water** : Soluble
- Molecular Formula** : Not applicable, formulated mixture.
- Density, g/mL @ 25 °C** : 1.110-1.120
- Evaporation Rate(Butyl Acetate = 1)** : Not determined
- Octanol/Water Partition Coefficient** : No information found
- pH** : 3.3-3.8 (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



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- Hazardous Decomposition Products** : May produce hydrogen bromine, hydrogen chloride, oxides of nitrogen, oxides of carbon and oxides of sulfur.
- Hazardous Polymerization** : Will not occur
- Conditions to Avoid** : Avoid fire conditions, sparks, and static electricity.
- Incompatible Materials** : Avoid contact with strong oxidizers, acids and mineral acids.

11. Toxicological Information

- Acute Toxicity (Oral LD50)** : 760 mg/kg (female rat). Harmful if swallowed.
- Acute Toxicity (Dermal LD50)** : >5,050 mg/kg (rabbit). May be harmful in contact with skin.
- Acute Toxicity Inhalation LC50** : >2.34 mg/L/4 hour (rat), no mortality at highest dose tested). May be harmful if inhaled.
- Likely Routes of Exposure** : Ingestion, eyes, skin
- Skin Irritation** : Slightly irritating (rabbit); PDII=0.4. Causes mild skin irritation.
- Eye Irritation** : Mildly irritating; maximum average irritation score=11.0 (rabbit). Causes eye irritation.
- Skin Sensitization** : Not a contact sensitizer in Guinea pigs.
- Carcinogenic** : Bromoxynil: Class C carcinogen per USEPA due to increased incidence of liver tumors observed in mice
- Chronic Effects** : MCPA studies in laboratory animals have shown testicular effects and lower male fertility. There is no data available for 2-Ethylhexyl Ester of 2-Methyl-4-Chlorophenoxyacetic acid. Animal tests with bromoxynil have not demonstrated reproductive effects.
- Other Hazards** : CA Prop 65 Warning: This product contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm (Bromoxynil). Bromoxynil is considered to be developmental toxicant.

12. Ecological Information

- Ecotoxicity** : Marine Pollutant per 49 CFR 172.101, Appendix B.
- 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



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UN Proper Shipping Name : Not regulated by DOT in less than Bulk containers.
Transport Hazard Class : None
UN Identification Number : None
Packaging Group : None
Environmental Hazards : Marine Pollutant per 49 CFR 172.101, Appendix B (bromoxynil).
Transport in Bulk : If shipped in bulk packages, ship as: UN3082, Environmentally Hazardous Substance, Liquid, n.o.s., (Bromoxynil), 9, PG III, Marine Pollutant "ERG # 171"
Special Precautions for Transportation : If shipped by air (IATA) or water (IMDG), ship as: UN3082, Environmentally Hazardous Substance, Liquid, n.o.s., (Bromoxynil), 9, PG III, Marine Pollutant
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: 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: Y
Sudden Release of N
Pressure:
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 : 5905-550
FIFRA Signal Word : Caution
FIFRA Label Statement : Keep out of reach of children.
FIFRA Label Statement : Harmful if swallowed.
FIFRA Label Statement : Causes moderate eye irritation.
FIFRA Label Statement : Avoid contact with eyes or 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 : 25-February-2016