



## Safety Data Sheet

Report Date 03-Dec-20

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### 1. Identification

**Product Name** : PARLAY  
**Synonyms** : None  
**Product Use** : MCPA+Bromoxynil+Fluroxypyr  
**Manufacturer/Supplier** : Helena Agri-Enterprises, LLC  
**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 irritation  
**Acute Toxicity Oral** : LD50 (rats)=1,750 mg/kg (for similar formulation)  
**Acute Toxicity Dermal** : LD50 (rats)>5,050 mg/kg (for similar formulation)  
**Hazard Categories** : Oral/Dermal/Inh Tox-4/5/4; Eye/Skin Irr-2A/2; STOT,RE-2; Aspiration-1; Reproductive-1B; Carcinogen-2  
**Hazard Statement** : Harmful if swallowed  
May be harmful in contact with skin  
Harmful if inhaled  
Causes serious eye irritation  
Causes skin irritation  
May cause damage to organs through prolonged or repeated exposure  
May be fatal if swallowed and enters airways  
May damage fertility or the unborn child  
Suspected of causing cancer

### 3. Composition / Information on Ingredients

Component	CAS Number	Weight %
MCPA-EHE: 2-methyl-4-chlorophenoxyacetic acid, isooctyl (2-ethylhexyl) ester	29450-45-1	27.30
Octanoic acid ester of Bromoxynil (3,5-dibromo-4-hydroxybenzotrile)	1689-99-2	25.47



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Fluroxypyr 1-methylheptyl ester ((4-amino-3,5-dichlor-6-fluoro-2-pyridinyl) oxy) acetic acid, 1-methylheptyl ester Solvent naphtha (see NOTE below)	81406-37-3	10.07
Confidential Formulation Aids, including: N-methyl pyrrolidone	64742-94-5 Proprietary 872-50-4	16.90 20.26
NOTE: Solvent naphtha may contain:		
1-Methylnaphthalene	90-12-0	<8.0
2-Methylnaphthalene	91-57-6	<12.0
Naphthalene	91-20-3	<5.0

### 4. First Aid Measures

<b>Eye</b>	: Hold eye open and rinse slowly and gently with water for 15 to 20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control center or doctor for treatment advice.
<b>Skin</b>	: 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.
<b>Inhalation</b>	: 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.
<b>Ingestion</b>	: Immediately call a poison control center or doctor. Do not induce vomiting unless told to by a poison control center or doctor. Do not give any liquid to the person. Do not give anything by mouth if unconscious.
<b>Indication of Immediate Medical Attention and Special Treatment Needed</b>	: Contains petroleum distillate. Vomiting may cause aspiration pneumonia.

### 5. Fire Fighting Measures

<b>Extinguishing Media</b>	: For large fires, use water spray or foam. For small fires, use dry chemical or carbon dioxide. Do not use straight water streams.
<b>Specific Hazards Arising from the Chemical</b>	: May produce gases such as hydrogen chloride, other chlorine compounds, hydrogen bromide gas and oxides of carbon and nitrogen.
<b>Special Fire Fight Proc</b>	: Wear self-contained breathing apparatus and full protective clothing. If water is used to fight fire or cool containers, dike to prevent runoff contamination of municipal sewers or waterways. Dispose of water later. Avoid breathing vapors; keep upwind.

### 6. Accidental Release Measures

<b>Personal Precautions</b>	: Keep unprotected and unnecessary personnel out of spill area.
<b>Protective Equipment</b>	: 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.
<b>Emergency Procedures</b>	: Keep spilled product from entering sewers or waterways.



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**Methods and Materials for Containment and Cleanup** : Dike spill with an inert absorbent, such as sand, vermiculite or other appropriate material. Vacuum, scoop or sweep up material and place in a container for disposal. Spills exceeding 300 gallons are reportable to the National Response Center (RQ for naphthalene).

### 7. Handling and Storage

**Precautions for Safe Handling** : Do not get in eyes or on skin or clothing. Do not breathe vapors or spray mist. Ensure adequate ventilation. Immediately clean up spills that occur during handling. Keep containers closed when not in use. Practice good hygiene after handling this material, especially before eating, drinking, smoking, using the toilet or applying cosmetics. Remove clothing and/or personal protective equipment immediately if pesticide gets inside.

**Conditions for Safe Storage** : Store in cool, dry areas away from children, feed and food products and sources of heat. Store in original container with lid tightly closed. Store locked up. Do not store in direct sunlight. Store at temperatures greater than 10 Deg. F. or warm and agitate before use.

### 8. Exposure Controls / Personal Protection

**TLV/PEL** : Naphthalene: PEL=10 ppm (TWA); TLV=10 ppm (skin, TWA).

**Appropriate Engineering Controls** : Provide general or local exhaust ventilation systems.

**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, dark amber liquid with aromatic odor.

**Flash Point, °F** : >200 Degrees F.

**Boiling Point, °F** : No information on mixture

**Melting Point(Freezing point), °C** : No information on mixture

**Vapor Pressure, mm Hg @ 20 °C** : No information on mixture

**Vapor Density** : No information on mixture

**Solubility in Water** : Emulsifiable

**Molecular Formula** : Not applicable, formulated mixture.

**Density, g/mL @ 25 °C** : 1.132-1.152

**Evaporation Rate(Butyl Acetate = 1)** : No information on mixture

**Octanol/Water Partition Coefficient** : No information on mixture

**pH** : 3.6 (2%)

**Flammable Limits (approximate volume % in air)** : No information on mixture

**Auto-ignition Temperature** : No information found

**Decomposition temperature** : No information on mixture



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### 10. Stability and Reactivity

- Reactivity** : Do not mix or allow contact with oxidizing agents.
- Chemical Stability** : Stable
- Hazardous Decomposition Products** : May produce gases such as hydrogen chloride, other chlorine compounds, hydrogen bromide gas and oxides of carbon and nitrogen.
- Hazardous Polymerization** : Will not occur
- Conditions to Avoid** : Avoid excessive heat. Do not store near heat or flame.
- Incompatible Materials** : Oxidizing agents, bases and acids.

### 11. Toxicological Information

- Acute Toxicity (Oral LD50)** : 1,750 mg/kg (rats) for similar product. Harmful if swallowed.
- Acute Toxicity (Dermal LD50)** : >5,050 mg/kg (rats) for similar product. May be harmful in contact with skin.
- Acute Toxicity Inhalation LC50** : >2.08 mg/L/4 hr (rats) for similar product. Harmful if swallowed. (aspiration hazard)
- Likely Routes of Exposure** : Inhalation, ingestion, skin, eyes.
- Skin Irritation** : Causes skin irritation.
- Eye Irritation** : Causes serious eye irritation.
- Skin Sensitization** : Not a skin sensitizer.
- Carcinogenic** : Naphthalene: IARC Group 2B; NTP-reasonably anticipated to be human carcinogen. MCPA: IARC Group 2B.
- Chronic Effects** : Aspiration Hazard: May be fatal if swallowed and enters airways. Specific Target Organ Toxicity-Repeated: May cause damage to organs through prolonged or repeated exposure. Reproductive Toxicity: May damage fertility or the unborn child.
- Other Hazards** : CA PROPOSITION 65 **WARNINGS!**: This product can expose you to chemicals, including naphthalene, which is known to the State of California to cause cancer. For more information, go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).

### 12. Ecological Information

- Ecotoxicity** : Mixture is believed to be toxic to highly toxic to aquatic invertebrates on an acute basis.
- 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



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**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 non-bulk packages. Regulated as Marine Pollutant if shipped by air (IATA) or water (IMDG) or in bulk packages by ground (DOT).  
**Transport Hazard Class** : None  
**UN Identification Number** : None  
**Packaging Group** : None  
**Environmental Hazards** : Bromoxynil and Naphthalene: Marine Pollutants per Appendix B to 49 CFR 172.101.  
**Transport in Bulk** : If shipped by ground (DOT) in bulk (up to 300 gallons): UN3082, Environmentally Hazardous Substance, Liquid, n.o.s., (Bromoxynil, Naphthalene), 9, PG III, Marine Pollutant. If >300 gallon in single package, add RQ (for Naphthalene).  
**Special Precautions for Transportation** : If shipped in any size package by air (IATA) or water (IMDG), ship as: UN3082, Environmentally Hazardous Substance, Liquid, n.o.s., (Bromoxynil, Naphthalene), 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** : 5905-622

**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, skin or clothing.

**FIFRA Label Statement** : Wash thoroughly with soap and water after handling and before

**FIFRA Label Statement** : eating, drinking, chewing gum, using tobacco or using the toilet.

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



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### 16. Other Information

Data of Preparation/Revision : 03-December-2020