

Report 24-Jun-15

Page 1 of 4

#### 1. Identification

Product Name : EndRun Synonyms : None

Product Use : Phenoxy 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

**Skin Irritation**: Moderately irritating to the skin.

Eye Irritation: Contact may cause irritation and burning.

Acute Toxicity Oral : LD50 >1,500 mg/kg

Acute Toxicity Dermal : LD50 >2,000 mg/kg. May be absorbed through skin.

Hazard Categories: Oral/Dermal/Inhalation Toxicity-4/5/5; Eye/Skin Irritation-2B/2;

Flammable-3

Hazard Statement: Harmful if swallowed

May be harmful in contact with skin

Causes eye irritation Causes skin irritation May be harmful if inhaled Flammable liquid and vapour

#### 3. Composition / Information on Ingredients

Component	CAS Number	Weight %
Dimethylamine Salt of	2008-39-1	30.56
2,4-Dichlorophenoxyacetic Acid (2,4-D)		
Dimethylamine Salt of	2300-66-5	2.77
3,6-Dichloro-o-anisic Acid (Dicamba		
Dimethylamine Salt of	66423-09-4	8.17
R(+)2-(2-Methyl-4-chlorophenoxy)propio		
nic acid (MCPP)		
Inert ingredients	Proprietary	58.50

### 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.



Report 24-Jun-15

Page 2 of 4

Indication of Immediate Medical
Attention and Special Treatment
Needed

Indication of Immediate Medical : Probable mucosal damage may contraindicate the use of gastric lavage.

#### 5. Fire Fighting Measures

**Extinguishing Media**: Use foam, carbon dioxide, dry chemical, or water.

Specific Hazards Arising from the : This product does not ignite readily, but may burn at a very high temperature.

Chemical The fire may produce irritating or poisonous gases. Run-off from fire area or

dilution water may cause pollution.

**Special Fire Fight Proc**: Wear positive-pressure breathing apparatus and full protective clothing.

#### 6. Accidental Release Measures

Personal Precautions: Keep unauthorized and unnecessary personnel out of spill area. Do not touch

spilled material.

Protective Equipment : Splashproof goggles or face shield, impervious gloves, impervious apron and

footwear. If exposure limits may be exceeded, wear a respirator with an organic-vapor removing cartridge with a prefilter approved for pesticides (MSHA/NIOSH approval number prefix TC-23C), or a NIOSH approved

respirator with any R, P or HE filter. Eyewash and emergency shower should be

available in work area.

Emergency Procedures : Do not allow spilled material or wash waters to enter any lakes, streams, ponds,

sewers or waterways.

Methods and Materials for : Contain and absorb spilled material on an inert absorbent, such as sand or soil.

Containment and Cleanup Collect into drums; cover and label for disposal. Flush area with water if

possible.

### 7. Handling and Storage

Precautions for Safe Handling : Do not contaminate water, food or feed by storage, handling or disposal.

Conditions for Safe Storage: Store in original container in a locked storage area inaccessible to children or

pets. Keep from freezing.

#### 8. Exposure Controls / Personal Protection

TLV/PEL: No TLV or PEL established.

Appropriate Engineering Controls : Good local ventilation is recommended; mechanical ventilation may be required

if exposure limits may be exceeded.

Personal Protective Equipment : Splashproof goggles or face shield, impervious gloves, impervious apron and

footwear. Wear a respirator with an organic-vapor removing cartridge with pesticide prefilter. Eyewash and emergency shower should be available in work

area.

#### 9. Physical and Chemical Properties

**Odor/Appearance**: Brown liquid with amine odor.

Flash Point, °F : 129 Degrees F. Boiling Point, °F : 212 Degrees F.

Melting Point(Freezing point), °C : <35 Degrees F.

Vapor Pressure, mm Hg @  $20\,^{\circ}$ C : <17 mmHg @ 78 Deg. F.

Vapor Density : >1



Report 24-Jun-15

Page 3 of 4

Solubility in Water : Infinite

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

Density, g/mL @ 25 °C : 1.126 Evaporation Rate(Butyl Acetate = : <1

1)

Octanol/Water Partition : No information found

Coefficient

**pH**: 7.5 to 8.5

Flammable Limits (approximate : Not applicable

volume % in air)

Auto-ignition Temperature : Not determined Decomposition temperature : No information found

#### 10. Stability and Reactivity

Reactivity: No information found

Chemical Stability: Stable

Hazardous Decomposition : May produce gases such as HCI, nitrogen oxides, and carbon monoxide when

Products burning.

Hazardous Polymerization: Will not occur

Conditions to Avoid: None currently known.

Incompatible Materials: Do not mix with acidic materials, as this will ruin the product.

#### 11. Toxicological Information

Acute Toxicity (Oral LD50) : >1,500 mg/kg. Harmful if swallowed.

Acute Toxicity (Dermal LD50) : >2,000 mg/kg. May be harmful in contact with skin.

Acute Toxicity Inhalation LC50 : No LC50 listed. May be harmful if inhaled. Moderately irritating to the mucous

membranes.

Likely Routes of Exposure : Eyes, skin, ingestion

Skin Irritation: Causes skin irritation. Moderately irritating to skin. May be absorbed through

skin.

**Eye Irritation**: Causes eye irritation. Contact causes irritation and burning.

Skin Sensitization: Not listed as a skin sensitizer.

Carcinogenic : IARC lists chlorophenoxy herbicides in Group 2B (limited evidence for

carcinogenicity in humans).

Chronic Effects: Individuals with chronic skin disease or known sensitivity to chlorophenoxy

compounds should either avoid using them or take strict precautions to avoid

contact.

Other Hazards: None currently known.

### 12. Ecological Information

Ecotoxicity: This product is toxic to aquatic invertebrates. Drift or runoff may adversely affect

aquatic invertebrates and nontarget plants.

Persistence and Degradability: No information found
Bioaccumulative Potential: No information found
Mobility in Soil: No information found

Mobility in Soil : No information found Other Adverse Effects : No information found

#### 13. Disposal Considerations



Report 24-Jun-15

Page 4 of 4

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 containers less than 41.32 gallons.

Transport Hazard Class : None
UN Identification Number : None
Packaging Group : None

Environmental Hazards: Marine Pollutant, if shipped in bulk package or shipped by air (IATA) or vessel

(IMDG).

Transport in Bulk : If shipped in bulk packages, ship as: RQ, UN3082, Environmentally Hazardous

Substance, Liquid, n.o.s., (2,4-D Acid), 9, PG III, Marine Pollutant

**Special Precautions for** : ERG number is 171. If shipped in single package >/= 41.32 gallons and </= 119

**Transportation** gallons, ship as: RQ, UN3082, Environmentally Hazardous substances, liquid, (2,4-D), 9, UN3082, PG III "ERG # 171"

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 : 2217-656-5905

FIFRA Signal Word : Danger

FIFRA Label Statement : Keep out of reach of children.

FIFRA Label Statement : Danger: 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, on skin or on clothing.

FIFRA Label Statement : Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum,

FIFRA Label Statement : using tobacco or using the toilet. Remove and wash contaminated clothing before reuse.

16. Other Information

Data of Preparation/Revision: 24-June-2015