



# Safety Data Sheet

Report Date 18-May-15

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## 1. Identification

**Product Name** : RESERVOIR 50  
**Synonyms** : None  
**Product Use** : Soil treatment  
**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 (no symbol)  
**Skin Irritation** : Causes mild skin irritation.  
**Eye Irritation** : Causes eye irritation.  
**Acute Toxicity Oral** : LD50 >5,000 mg/kg (rat). May be harmful if swallowed.  
**Acute Toxicity Dermal** : >5,000 mg/kg (rat). May be harmful in contact with skin.

**Hazard Categories** : Oral/Dermal/Inhalation Toxicity - 5/5/5; Eye Irritation - 2B; Skin Irritation - 3

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

## 3. Composition / Information on Ingredients

| Component   | CAS Number   | Weight % |
|---|--------------|----------|
| 2-propenoic acid, sodium salt, polymer with 2-propenamide | Proprietary  | 50.00    |
| Inert ingredients   | Nonhazardous | 50.00    |

## 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 foam or dry chemical if available. Avoid using water spray or fog, if possible.



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- Specific Hazards Arising from the Chemical** : May produce oxides of carbon and oxides of nitrogen.
- Special Fire Fight Proc** : Wear self-contained breathing apparatus and full protective clothing. Use caution as spilled product is very slippery when wet.

### 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. Respiratory protection not normally needed. Eyewash and emergency shower should be available in work area.
- Emergency Procedures** : Do not contaminate water supplies, lakes, streams, ponds or drains.
- Methods and Materials for Containment and Cleanup** : Soak up spilled material with an inert absorbent, such as sand, clay or sawdust. Collect the spilled product and place into suitable containers for proper disposal. Use common salt (sodium chloride) to aid in removal of residues. Wash area thoroughly after removal of product. Collect washwater and place in same containers with collected material.

### 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 container only. Do not store near heat or open flame. Do not store with oxidizing agents or ammonium nitrate.

### 8. Exposure Controls / Personal Protection

- TLV/PEL** : Not established for mixture
- Appropriate Engineering Controls** : Good local ventilation is recommended.
- 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** : Milky viscous liquid with aliphatic odor.
- Flash Point, °F** : >100 Degrees C.
- Boiling Point, °F** : >100 Degrees C.
- Melting Point(Freezing point), °C** : No information found
- Vapor Pressure, mm Hg @ 20 °C** : No information found
- Vapor Density** : No information found
- Solubility in Water** : Completely miscible
- Molecular Formula** : Not applicable, formulated mixture.
- Density, g/mL @ 25 °C** : 1.0-1.2
- Evaporation Rate(Butyl Acetate = 1)** : No information found
- Octanol/Water Partition Coefficient** : No information found
- pH** : 5 to 8 g/L
- Flammable Limits (approximate volume % in air)** : Not determined
- Auto-ignition Temperature** : Not determined
- Decomposition temperature** : No information found



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### 10. Stability and Reactivity

- Reactivity** : No information found
- Chemical Stability** : Stable
- Hazardous Decomposition Products** : Thermal decomposition may produce nitrogen oxides, carbon oxides, hydrogen cyanide (hydrocyanic acid).
- Hazardous Polymerization** : Will not occur.
- Conditions to Avoid** : Protect from light, moisture and damage. Avoid extremes of temperature.
- Incompatible Materials** : Oxidizing agents may cause exothermic reactions.

### 11. Toxicological Information

- Acute Toxicity (Oral LD50)** : >5,000 mg/kg (rat). May be harmful if swallowed.
- Acute Toxicity (Dermal LD50)** : >5,000 mg/kg (rat). May be harmful in contact with skin.
- Acute Toxicity Inhalation LC50** : No LC50 available. May be harmful if inhaled.
- Likely Routes of Exposure** : Skin and eyes
  - Skin Irritation** : Causes mild skin irritation.
  - Eye Irritation** : Causes eye irritation.
- Skin Sensitization** : Not sensitizing
- Carcinogenic** : None currently known.
- Chronic Effects** : None currently known.
- 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, IATA or IMDG.
- 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** : Adhesives, Adjuvants, Spreaders or Stickers, N.O.I. (NMFC Item 42652, Class 60)



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## 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: N  
Sudden Release of Pressure: N  
Fire: N  
Reactive: N

## 16. Other Information

Data of Preparation/Revision : 18-May-2015