



# Safety Data Sheet

Report Date 26-May-15

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## 1. Identification

**Product Name** : RESERVOIR SP  
**Synonyms** : None  
**Product Use** : Soil Wetter/Moisture Retention Aid  
**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** : Mild to moderate skin irritation may occur with direct contact.  
**Eye Irritation** : No hazards noted.  
**Acute Toxicity Oral** : No hazards known with ingestion.  
**Acute Toxicity Dermal** : No hazards known with skin absorption.

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

**Hazard Statement** : May be harmful if swallowed  
Causes skin irritation  
May be harmful if inhaled

## 3. Composition / Information on Ingredients

Component	CAS Number	Weight %
Polyacrylamide	9003-05-8	6.6
Oxirane-methyloxirane copolymer	9003-11-6	3.4
Alkylarylphenol ethoxylate	Proprietary	3.4
Inert ingredients	Proprietary	86.6

## 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



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- Extinguishing Media** : Use water spray, water fog, carbon dioxide or dry chemical extinguishing agents.
- Specific Hazards Arising from the Chemical** : None currently known.
- Special Fire Fight Proc** : Wear self-contained breathing apparatus and full protective clothing. Keep fire-exposed containers by spraying with 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. Respiratory protection not normally needed. Eyewash and emergency shower should be available in work area.
- Emergency Procedures** : Product may be a slip hazard.
- Methods and Materials for Containment and Cleanup** : Spilled material should be absorbed onto an inert material and scooped up. After absorption, flush spill area with water. Collect water with absorbent and place in same containers with recovered spill product.

### 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** : No TLV or PEL available.
- 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. Respiratory protection not normally needed. Eyewash and emergency shower should be available in work area.

### 9. Physical and Chemical Properties

- Odor/Appearance** : Light yellow to brown liquid; slight ammonia odor.
- Flash Point, °F** : >200 Degrees F.
- Boiling Point, °F** : Not available
- Melting Point(Freezing point), °C** : Not available
- Vapor Pressure, mm Hg @ 20 °C** : Not available
- Vapor Density** : Not available
- Solubility in Water** : Dispersible
- Molecular Formula** : Not applicable, formulated mixture.
- Density, g/mL @ 25 °C** : 0.912
- Evaporation Rate(Butyl Acetate = 1)** : Not available
- Octanol/Water Partition Coefficient** : No information found
- pH** : No information found
- Flammable Limits (approximate volume % in air)** : No information found
- 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** : Possible byproducts of combustion include carbon dioxide, carbon monoxide, ammonia and nitrogen oxides.
- Hazardous Polymerization** : Will not occur
- Conditions to Avoid** : None currently known.
- Incompatible Materials** : Avoid contact with strong oxidizing agents.

### 11. Toxicological Information

- Acute Toxicity (Oral LD50)** : No LD50 available. May be harmful if swallowed.
- Acute Toxicity (Dermal LD50)** : No LD50 available. No hazard expected from skin absorption.
- Acute Toxicity Inhalation LC50** : No LC50 available. May be harmful if inhaled.
- Likely Routes of Exposure** : Skin, inhalation and ingestion.
- Skin Irritation** : Causes skin irritation.
- Eye Irritation** : No hazard expected.
- Skin Sensitization** : Not listed as a skin sensitizer.
- Carcinogenic** : Not listed by IARC, NTP or OSHA.
- Chronic Effects** : None currently known.
- Other Hazards** : Overexposure to vapor may cause central nervous system depression.

### 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 : 26-May-2015