



# Safety Data Sheet

Report Date 21-Nov-17

Page 1 of 4

## 1. Identification

**Product Name** : DIVERSIFY  
**Synonyms** : None  
**Product Use** : Non-ammoniacal water conditioner  
**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** : Causes skin irritation  
**Eye Irritation** : Causes serious eye irritation  
**Acute Toxicity Oral** : No LD50 data available  
**Acute Toxicity Dermal** : No LD50 data available

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

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

## 3. Composition / Information on Ingredients

Component	CAS Number	Weight %
Aminocarboxylates, 2-Hydroxypropane 1,2,3-tricarboxylates, and polyaliphatic carboxylates.	Proprietary	30.00
Nonfunctional ingredients	Proprietary	70.00

## 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. Wash skin immediately with soap and water. 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



## Safety Data Sheet

Report Date 21-Nov-17

Page 2 of 4

- Extinguishing Media** : Use water spray or fog to cool fire-exposed containers. Use foam, dry powder, carbon dioxide, water spray or sand to extinguish fires.
- Specific Hazards Arising from the Chemical** : Not known for mixture
- Special Fire Fight Proc** : Wear self-contained breathing apparatus and full protective clothing.

### 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 allow spilled product to enter drains, waterways or sewers.
- Methods and Materials for Containment and Cleanup** : Soak up spills with inert absorbent, such as clay or vermiculite. Collect and place in suitable containers for proper disposal.

### 7. Handling and Storage

- Precautions for Safe Handling** : Wash hands and other exposed areas with mild soap and water before eating, drinking, smoking or leaving work. Keep product 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** : Keep only in the original container in a cool, dry, well-ventilated area. Do not store in direct sunlight. Keep container closed when not in use. Keep away from strong acids and strong alkaline materials.

### 8. Exposure Controls / Personal Protection

- TLV/PEL** : Potassium hydroxide: NIOSH REL and ACGIH TLV=2 mg/m3 ceiling
- 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** : Clear, light yellow liquid; mild odor.
- Flash Point, °F** : Not known for mixture
- Boiling Point, °F** : Not known for mixture
- Melting Point(Freezing point), °C** : Not known for mixture
- Vapor Pressure, mm Hg @ 20 °C** : Not known for mixture
- Vapor Density** : Not known for mixture
- Solubility in Water** : Soluble/miscible
- Molecular Formula** : Not applicable, formulated mixture.
- Density, g/mL @ 25 °C** : 1.190-1.210
- Evaporation Rate(Butyl Acetate = 1)** : Not known for mixture
- Octanol/Water Partition Coefficient** : Not known for mixture
- pH** : 5.9 (neat)
- Flammable Limits (approximate volume % in air)** : Not known for mixture



## Safety Data Sheet

Report Date 21-Nov-17

Page 3 of 4

**Auto-ignition Temperature** : Not known for mixture  
**Decomposition temperature** : Not known for mixture

### 10. Stability and Reactivity

**Reactivity** : Not known for mixture  
**Chemical Stability** : Stable  
**Hazardous Decomposition Products** : Not known for mixture  
**Hazardous Polymerization** : Will not occur  
**Conditions to Avoid** : Avoid temperature extremes.  
**Incompatible Materials** : Not known for mixture

### 11. Toxicological Information

**Acute Toxicity (Oral LD50)** : No LD50 data available. May be harmful if swallowed.  
**Acute Toxicity (Dermal LD50)** : No LD50 data available. May be harmful in contact with skin.  
**Acute Toxicity Inhalation LC50** : No LC50 data available. May be harmful if inhaled.  
**Likely Routes of Exposure** : Skin, eyes, inhalation  
**Skin Irritation** : Causes skin irritation.  
**Eye Irritation** : Causes serious eye irritation.  
**Skin Sensitization** : No component in mixture is a skin sensitizer.  
**Carcinogenic** : No component present at  $\geq 0.1\%$  identified as carcinogenic.  
**Chronic Effects** : Not known for mixture  
**Other Hazards** : Not known for mixture.

### 12. Ecological Information

**Ecotoxicity** : Not known for this mixture  
**Persistence and Degradability** : Not known for this mixture  
**Bioaccumulative Potential** : Not known for this mixture  
**Mobility in Soil** : Not known for this mixture  
**Other Adverse Effects** : Not known for this mixture

### 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.  
**Transport Hazard Class** : None  
**UN Identification Number** : None  
**Packaging Group** : None  
**Environmental Hazards** : Reportable Quantity (RQ) for Potassium Hydroxide=1,000 gallons/>378.5 gallons.  
**Transport in Bulk** : If shipped in single package >378.5 gallons, ship as: RQ, UN3082, Environmentally Hazardous Substance, Liquid, n.o.s., (Potassium Hydroxide), 9, PG III "ERG # 171"



## Safety Data Sheet

Report Date 21-Nov-17

Page 4 of 4

**Special Precautions for Transportation** : Not known for this mixture

**Freight Classification** : Adhesives, Adjuvants, Spreaders or Stickers, N.O.I. (NMFC Item 42652, Class 60)

### 15. Regulatory Information

**National Fire Protection Association Rating** :

Health: 2 Fire: 1 Reactivity: 1  
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** : 21-November-2017