



# Safety Data Sheet

Report Date 13-Feb-17

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## 1. Identification

**Product Name** : GROUNDED  
**Synonyms** : None  
**Product Use** : Spray Adjuvant  
**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 irritation with prolonged or repeated contact  
**Eye Irritation** : Practically non-irritating  
**Acute Toxicity Oral** : LD50 (rat) >5,000 mg/kg  
**Acute Toxicity Dermal** : LD50 (rat) >5,050 mg/kg

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

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

## 3. Composition / Information on Ingredients

Component	CAS Number	Weight %
Blend of Aliphatic Hydrocarbons, Hexahydric Alcohol Ethoxylates and C18-C20 Fatty Acids and Alkanolamides	Proprietary	99.00
Other ingredients	Nonhazardous	1.00

## 4. First Aid Measures

**Eye** : Flush eyes with water for at least 15 minutes, holding the eyelids open. If irritation develops or persists, consult a physician.

**Skin** : Remove contaminated clothing and wash skin with soap and water. If irritation develops or persists, consult a physician.

**Inhalation** : Move to fresh air and call a physician if irritation develops or persists.

**Ingestion** : Do not induce vomiting. Obtain emergency medical attention. Small amounts which incidentally enter the mouth should be rinsed out until taste is gone.

**Indication of Immediate Medical Attention and Special Treatment Needed** : There is no specific antidote. Treat symptomatically. If contact is made with the spray solution containing pesticides, follow the "Statement of Practical Treatment/First Aid" on the pesticide label.

## 5. Fire Fighting Measures

**Extinguishing Media** : Use water fog, foam, dry chemical and carbon dioxide extinguishing agents.

**Specific Hazards Arising from the Chemical** : Product can be made to burn even though flash point is greater than 200 Degrees F.

**Special Fire Fight Proc** : Wear a positive-pressure, self-contained breathing apparatus and full protective clothing when fighting fires in an enclosed area.



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### 6. Accidental Release Measures

- Personal Precautions** : Keep unprotected and unnecessary personnel away from spill area.
- Protective Equipment** : Impervious gloves, splashproof goggles or face shield, impervious apron and footwear. Eyewash station should be available. Use NIOSH-approved respiratory protection if product is heated or misted.
- Emergency Procedures** : Do not contaminate water supplies, lakes, streams, ponds or drains with spilled material.
- Methods and Materials for Containment and Cleanup** : Clean up spills with an oil absorbent material, such as clay, sand or sawdust. Spill area will be quite slippery. Place contaminated material in a recovery or salvage drum for proper disposal.

### 7. Handling and Storage

- Precautions for Safe Handling** : Do not allow water to be introduced into the contents of this container. Do not contaminate water sources by cleaning of equipment or disposal of rinse water.
- Conditions for Safe Storage** : Store in original container only. Keep container tightly closed. Do not store with oxidizing agents or ammonium nitrate.

### 8. Exposure Controls / Personal Protection

- TLV/PEL** : No information found
- Appropriate Engineering Controls** : Ventilate as needed.
- Personal Protective Equipment** : Impervious gloves, splashproof goggles or face shield, impervious apron and footwear. Eyewash station should be available. Use NIOSH-approved respiratory protection if product is heated or misted.

### 9. Physical and Chemical Properties

- Odor/Appearance** : Clear blue liquid, mineral oil odor.
- Flash Point, °F** : >200 Degrees F.
- Boiling Point, °F** : 625 to 830 Degrees F.
- Melting Point(Freezing point), °C** : <32 Degrees F.
- Vapor Pressure, mm Hg @ 20 °C** : 0.0001 mmHg
- Vapor Density** : 10+
- Solubility in Water** : Dispersible
- Molecular Formula** : Not applicable, formulated mixture.
- Density, g/mL @ 25 °C** : 0.872-0.892
- Evaporation Rate(Butyl Acetate = 1)** : 1000X
- Octanol/Water Partition Coefficient** : No information found
- pH** : Not applicable, non-aqueous
- Flammable Limits (approximate volume % in air)** : Not determined
- Auto-ignition Temperature** : 670 Degrees F. (est)
- Decomposition temperature** : No information found

### 10. Stability and Reactivity

- Reactivity** : No information found
- Chemical Stability** : Stable



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- Hazardous Decomposition Products** : May produce oxides of carbon and asphyxiants under fire conditions.
- Hazardous Polymerization** : Will not occur
- Conditions to Avoid** : Avoid contact with alkalies and strong oxidizers.
- Incompatible Materials** : Avoid contact with alkalies and strong oxidizers.

### 11. Toxicological Information

- Acute Toxicity (Oral LD50)** : >5,000 mg/kg (rat)
- Acute Toxicity (Dermal LD50)** : >5,050 mg/kg (rat)
- Acute Toxicity Inhalation LC50** : >2.17 mg/L (rat) (vapor limit)
- Likely Routes of Exposure** : Skin and eyes
- Skin Irritation** : Primary dermal irritation score=0.0; non-irritating
- Eye Irritation** : No positive effects <2.0 score; practically non-irritating.
- Skin Sensitization** : Not a skin sensitizer.
- Carcinogenic** : None currently known.
- Chronic Effects** : Prolonged or repeated skin contact with skin oils, possibly leading to irritation and dermatitis; however, based on human experience and available toxicity data, this product is judged to be neither "corrosive" nor an "irritant" by OSHA criteria.
- 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)

### 15. Regulatory Information

- National Fire Protection Association Rating** :



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Health: 1 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 N  
Pressure:  
Fire: N  
Reactive: N

### 16. Other Information

Data of Preparation/Revision : 13-February-2017