



# Safety Data Sheet

Report Date 28-Feb-15

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## 1. Identification

**Product Name** : DLZ  
**Synonyms** : None  
**Product Use** : Oil Surfactant  
**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** : Moderate irritant  
**Eye Irritation** : Eye irritation III  
**Acute Toxicity Oral** : LD50 >5,050 mg/kg  
**Acute Toxicity Dermal** : LD50 >2,020 mg/kg

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

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

## 3. Composition / Information on Ingredients

Component	CAS Number	Weight %
Methylated seed oil, paraffinic oil and nonionic surfactants.	Proprietary	92.00
Other ingredients	Proprietary	8.00

## 4. First Aid Measures

**Eye** : Flush eyes with clean water for at least 15 minutes. See a physician if irritation persists.

**Skin** : Remove contaminated clothing. Wash skin thoroughly with soap and water. If irritation develops, consult a physician.

**Inhalation** : Move to fresh air. If breathing becomes difficult, obtain medical attention immediately.

**Ingestion** : Do not induce vomiting. Immediately drink a large quantity of milk or water and call a physician. Never give anything by mouth to an unconscious person.

**Indication of Immediate Medical Attention and Special Treatment Needed** : In the event of an adverse response, treatment should be directed toward treatment of the symptoms and the condition of the patient.

## 5. Fire Fighting Measures

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



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- Specific Hazards Arising from the Chemical** : May produce hazardous fumes or decomposition products under fire conditions.
- Special Fire Fight Proc** : Wear a 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** : Impervious gloves, splashproof goggles or face shield, impervious apron and footwear. Use NIOSH-approved air-purifying respirator with organic vapor cartridge.
- Emergency Procedures** : Rope off contaminated area.
- Methods and Materials for Containment and Cleanup** : Cover spilled material with an absorbent, such as clay, sand or sawdust. Collect and place in recovery drum for proper disposal.

### 7. Handling and Storage

- Precautions for Safe Handling** : Keep container tightly closed. Do not contaminate water sources by cleaning of equipment or disposal or rinse water.
- Conditions for Safe Storage** : May be stored in unheated area, but keep from freezing.

### 8. Exposure Controls / Personal Protection

- TLV/PEL** : No information found
- Appropriate Engineering Controls** : Local exhaust should be sufficient.
- Personal Protective Equipment** : Impervious gloves, splashproof goggles or face shield, impervious apron and footwear. Use NIOSH-approved air-purifying respirator with organic vapor cartridge.

### 9. Physical and Chemical Properties

- Odor/Appearance** : Clear amber liquid with surfactant odor.
- Flash Point, °F** : >200 Degrees F.
- Boiling Point, °F** : >200 Degrees F.
- Melting Point(Freezing point), °C** : Not established
- Vapor Pressure, mm Hg @ 20 °C** : Not determined
- Vapor Density** : Not determined
- Solubility in Water** : Dispersible
- Molecular Formula** : Not applicable, formulated mixture.
- Density, g/mL @ 25 °C** : 0.874-0.894
- Evaporation Rate(Butyl Acetate = 1)** : Not determined
- Octanol/Water Partition Coefficient** : No information found
- pH** : Not applicable
- Flammable Limits (approximate volume % in air)** : Not determined
- Auto-ignition Temperature** : Not determined
- Decomposition temperature** : No information found

### 10. Stability and Reactivity



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- Reactivity** : No information found  
**Chemical Stability** : Stable  
**Hazardous Decomposition Products** : When heated to decomposition, product will emit toxic fumes and vapors.  
**Hazardous Polymerization** : Will not occur  
**Conditions to Avoid** : Avoid mixing with alkali, cyanides, sulfides, aluminum, magnesium, zinc and chlorine releasers.  
**Incompatible Materials** : Alkali, cyanides, sulfides, aluminum, magnesium, zinc and chlorine releasers.

### 11. Toxicological Information

- Acute Toxicity (Oral LD50)** : >5,050 mg/kg  
**Acute Toxicity (Dermal LD50)** : >2,020 mg/kg  
**Acute Toxicity Inhalation LC50** : >1.38 mg/L (vapor limit)  
**Likely Routes of Exposure** : Skin, eyes, inhalation  
**Skin Irritation** : Moderate irritant  
**Eye Irritation** : Eye irritation (III)  
**Skin Sensitization** : Not a sensitizer  
**Carcinogenic** : None currently known.  
**Chronic Effects** : No information found  
**Other Hazards** : CA Prop 65: This product contains <1 ppm ethylene oxide, a chemical known to the state of CA to cause cancer or birth defects or other reproductive harm.

### 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



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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 N  
Pressure:  
Fire: N  
Reactive: N

## 16. Other Information

Data of Preparation/Revision : 28-February-2015