

Material Safety Data Sheet

Effective Date: 01-MAR-2004  
Product: DLZ

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I. IDENTIFICATION  
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Chemical Name: Premium Buffered MSO Concentrate  
Chemical Family: Oil Surfactant  
Formula: Not applicable, formulated mixture.  
Synonyms: None  
CAS Number: Not applicable, formulated mixture.  
EPA Number: None required

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II. PHYSICAL DATA  
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Boiling Point: >200 Degrees F.  
Freezing Point: <35 Degrees F.  
Spec Gravity: 0.884 gms/cc  
Vapor Pressure: Not determined  
Vapor Density: Not determined  
Solubility: 100%  
Volatiles: <0.5%  
Evaporation: Not determined  
Melting Point: Not determined  
Appearance: Clear amber liquid with surfactant odor.

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III. INGREDIENTS  
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Material	CAS Number	Percent	TLV	Hazard
Proprietary blend of Methylated Seed Oil, Paraffinic Oil and Nonionic Surfactants.		92.00	N/E	Skin & eye irritant.
Inert Ingredients		8.00	N/E	Non-hazardous

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IV. FIRE AND EXPLOSION HAZARD  
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Flash Point: >200 Degrees F.  
Autoignition Temp: Not determined  
Flammable Limit: Not determined  
Extinguishing Media: Water, alcohol foam, dry chemical and carbon dioxide.  
Special Fire Fight Proc: Wear a self-contained breathing apparatus and full protective clothing.  
Fire and Expl Hazard: May produce hazardous fumes or decomposition products under fire conditions.

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V. HEALTH HAZARD  
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Carcinogen Information: None currently known.

ACUTE EFFECTS OF OVER EXPOSURE  
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Swallowing: Harmful if swallowed, May cause irritation to the digestive tract.  
Skin Absorption: No data available. Low hazard anticipated.  
Inhalation: Harmful if inhaled. May cause irritation to the nasal passages.  
Skin contact: May result in skin irritation.  
Eye Contact: May result in eye irritation.  
Chronic Effects: Chronic effects and medical conditions aggravated by overexposure to this product have not been established.  
Other Hazard: None currently known.

EMERGENCY AND FIRST AID PROCEDURES  
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Swallowing: If swallowed, do not induce vomiting. Immediately drink a large volume of milk or water and call a physician. Never give anything by mouth to an unconscious person.  
Skin: Remove contaminated clothing. Immediately wash skin with soap and water. If irritation develops, consult a physician.  
Inhalation: Move to fresh air. If breathing becomes difficult, obtain medical attention immediately.  
Eyes: Immediately flush eyes with water for at least 15 minutes, holding eyelids open. Immediately call a physician.  
Notes to Physician: In the event of an adverse response, treatment should be directed toward control of the symptoms and the clinical condition of the patient.

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VI. REACTIVITY  
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Stability: Stable  
Conditions to Avoid: None currently known.  
Polymerization: Will Not Occur  
Conditions to Avoid: None currently known.  
Incompatibility material: Avoid alkali, cyanides, sulfides, aluminum, magnesium, zinc and chlorine releasers.

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Hazardous Combustion: When heated to decomposition, product will emit toxic fumes and vapors.

VII. SPILL OR LEAK PROCEDURES

Spill or Leak Proc: Rope off contaminated area. Cover spilled material with an absorbent, such as clay, sand or sawdust. Place in recovery drum for proper disposal.

Waste Disposal Method: This material must be disposed of according to Federal, State or Local procedures under the Resource Conservation and Recovery Act.

VIII. SPECIAL PROTECTION INFORMATION

Respiration: If an OSHA PEL is exceeded, a NIOSH-approved organic mist/vapor respirator is recommended.

Ventilation: Local exhaust sufficient.

Gloves: Impervious

Eyes: Chemical workers' goggles.

Other: Eyewash station, impervious apron, footwear and face shield if splashing is anticipated.

IX. SPECIAL PRECAUTIONS

Special precaution: Keep out of reach of children. Do not store with food, feed or other material to be used or consumed by humans or animals. Do not contaminate water supplies, lakes, streams or ponds.

Other precaution: None currently known.

X. SHIPPING INFORMATION

Shipping name: Not regulated by DOT, IATA or IMDG.

Hazard Class: None

Identification No: None

Labels Required: None required

Placarding: None

Freight Class: Adhesive, Adjuvant, Spreader or Sticker, Liquid, N.O.I. (NMFC Item 4610, Class 60)

Chemical Name

Equivalent R.Q.

Not applicable

Not applicable

Helena Chemical Company  
PH: 901-761-0050  
CHEMTREC: 800-424-9300

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XI. GENERAL PRODUCT INFORMATION  
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National Fire Protection Association Rating:  
(Rating level: 4-Extreme, 3-High, 2-Moderate, 1-Slight, 0-Minimum)

Health: 2                      Fire: 1                      Reactivity: 0

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

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Mail inquiries to: 225 Schilling Blvd., Suite 300 Collierville, TN 38017  
Helena Chemical Company believes that the data contained herein is factual.  
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responsibility. It is offered solely for your consideration, investigation  
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