



# Safety Data Sheet

Report Date 27-Sep-15

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## 1. Identification

**Product Name** : OPTIMA  
**Synonyms** : None  
**Product Use** : 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** : Danger  
**Skin Irritation** : Score 1.5, slightly irritation to the exposed skin.  
**Eye Irritation** : Severely irritating. Direct contact with product may cause severe eye irritation and irreversible eye damage.  
**Acute Toxicity Oral** : LD50 1,550 mg/kg (rat)  
**Acute Toxicity Dermal** : LD50 5,150 mg/kg (rat)

**Hazard Categories** : Oral/Dermal/Inhalation Toxicity-4/5/5; Eye/Skin Irritation-1/3

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

## 3. Composition / Information on Ingredients

Component	CAS Number	Weight %
Polyethoxylated alkyl amines (C8-C18), alkyl polyoxyethylene glycols, and organic acids.	Proprietary	90.00
Constituents ineffective as adjuvants	Nonhazardous	10.00

## 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. 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. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to by a poison control center or doctor. Do not give anything by mouth if unconscious.



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**Indication of Immediate Medical Attention and Special Treatment Needed** : Treat symptomatically.

### 5. Fire Fighting Measures

**Extinguishing Media** : Use alcohol foam, dry chemical and carbon dioxide.  
**Specific Hazards Arising from the Chemical** : None currently known.  
**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. Use NIOSH-approved air-purifying respirator for organic vapors if needed. Eyewash and emergency shower should be available in work area.  
**Emergency Procedures** : Dike spill area to prevent spreading to soil or waterways, sewers or drains.  
**Methods and Materials for Containment and Cleanup** : Cover spill with an inert absorbent, such as clay, sand or sawdust. Collect and place in suitable containers for proper disposal. Flush spill area with water, then absorb with inert material, collect and place in same containers with other material.

### 7. Handling and Storage

**Precautions for Safe Handling** : Keep out of reach of children. Keep container tightly closed. Do not contaminate water, food or feed by storage, handling or disposal. Do not allow water to be introduced into the contents of this container.  
**Conditions for Safe Storage** : Store in original container only. Do not store near heat or open flame. Do not store with oxidizing agents.

### 8. Exposure Controls / Personal Protection

**TLV/PEL** : No information found  
**Appropriate Engineering Controls** : Local exhaust is sufficient.  
**Personal Protective Equipment** : Splashproof goggles or face shield, impervious gloves, impervious apron and footwear. Use NIOSH-approved air-purifying respirator for organic vapors if needed. Eyewash and emergency shower should be available in work area.

### 9. Physical and Chemical Properties

**Odor/Appearance** : Slightly hazy amber liquid; low odor.  
**Flash Point, °F** : >200 Degrees F.  
**Boiling Point, °F** : >200 Degrees F.  
**Melting Point(Freezing point), °C** : Not determined  
**Vapor Pressure, mm Hg @ 20 °C** : Not determined  
**Vapor Density** : Not determined  
**Solubility in Water** : Soluble  
**Molecular Formula** : Not applicable, formulated mixture.  
**Density, g/mL @ 25 °C** : 1.103 to 1.123  
**Evaporation Rate(Butyl Acetate = 1)** : Not determined



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**Octanol/Water Partition Coefficient** : No information found  
**pH** : <3.5 (1%)  
**Flammable Limits (approximate volume % in air)** : Not determined  
**Auto-ignition Temperature** : Not determined  
**Decomposition temperature** : No information found

### 10. Stability and Reactivity

**Reactivity** : No information found  
**Chemical Stability** : Stable  
**Hazardous Decomposition Products** : May produce oxides of carbon under fire conditions.  
**Hazardous Polymerization** : Will not occur  
**Conditions to Avoid** : None currently known  
**Incompatible Materials** : None currently known

### 11. Toxicological Information

**Acute Toxicity (Oral LD50)** : 1,550 mg/kg (rat). Harmful if swallowed.  
**Acute Toxicity (Dermal LD50)** : 5,150 mg/kg (rat). May be harmful in contact with skin.  
**Acute Toxicity Inhalation LC50** : No LC50 established - no fatalities in test subjects. May be harmful if inhaled.  
**Likely Routes of Exposure** : Eyes, skin, ingestion, inhalation.  
**Skin Irritation** : Slightly irritating to the exposed skin - score 1.5. Causes mild skin irritation.  
**Eye Irritation** : Severely irritating; direct contact with product may cause severe eye irritation and irreversible eye damage. Causes serious eye damage.  
**Skin Sensitization** : No information found  
**Carcinogenic** : Not listed by IARC, NTP or OSHA.  
**Chronic Effects** : None currently known.  
**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.  
**Transport Hazard Class** : None  
**UN Identification Number** : None  
**Packaging Group** : None



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**Environmental Hazards** : No information found  
**Transport in Bulk** : None  
**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** :

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** : 27-September-2015