



# Safety Data Sheet

Report Date 28-Apr-15

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## 1. Identification

**Product Name** : ALIGN  
**Synonyms** : 100:1 Foam Concentrate  
**Product Use** : 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** : Causes skin irritation  
**Eye Irritation** : Causes serious eye irritation  
**Acute Toxicity Oral** : May be harmful if swallowed  
**Acute Toxicity Dermal** : No hazard expected

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

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

## 3. Composition / Information on Ingredients

Component	CAS Number	Weight %
Nonionic and Anionic Surfactants, Fatty Alcohol and Butoxyethanol	Proprietary	35.00
Inert ingredients: alcohols, water conditioners and constituents ineffective as an adjuvant	Proprietary	65.00

## 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. 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** : Treat symptomatically.

## 5. Fire Fighting Measures



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- Extinguishing Media** : Use foam, dry chemical, water spray or carbon dioxide.
- Specific Hazards Arising from the Chemical** : Heating may cause pressure buildup and possible rupture of the container.
- Special Fire Fight Proc** : Remove unprotected personnel from hazard area. Wear protective clothing. Emergency personnel should be equipped with NIOSH-approved self-contained breathing apparatus with full face piece. Cool exposed containers with water.

### 6. Accidental Release Measures

- Personal Precautions** : Keep unprotected and unnecessary personnel out of spill area.
- Protective Equipment** : Splashproof goggles or face shield, chemical-resistant gloves, long-sleeved shirt and long pants. Eyewash and emergency shower should be easily accessible. Use NIOSH-approved respirator if needed.
- Emergency Procedures** : Dike the area to prevent spill from spreading.
- Methods and Materials for Containment and Cleanup** : Soak up spill with a suitable absorbent such as clay, sawdust or kitty litter. Sweep up absorbed material and place in a chemical waste container for disposal.

### 7. Handling and Storage

- Precautions for Safe Handling** : Keep out of reach of children. Read label before use. Do not eat, drink or smoke when using this product. Wash hands thoroughly after handling. Keep liquid and vapors away from heat, sparks and flames. Prevent contact with contaminated clothing. If freezing occurs, thaw at room temperature.
- Conditions for Safe Storage** : Store in a cool well-ventilated place. Keep in original container, tightly closed. Do not reuse empty container. Do not store with food, feed or other material to be used or consumed by humans or animals. Do not contaminate water supplies. For optimal storage, store between 40 Degrees F and 90 Degrees F.

### 8. Exposure Controls / Personal Protection

- TLV/PEL** : No TLV or PEL established.
- Appropriate Engineering Controls** : Normal room ventilation (mechanical) or outdoor use should be satisfactory.
- Personal Protective Equipment** : Splashproof goggles or face shield, chemical-resistant gloves, long-sleeved shirt and long pants. Eyewash and emergency shower should be easily accessible. Use NIOSH-approved respirator if needed.

### 9. Physical and Chemical Properties

- Odor/Appearance** : Clear yellow liquid, mild glycol odor.
- Flash Point, °F** : >200 Degrees F.
- Boiling Point, °F** : No information found
- Melting Point(Freezing point), °C** : No information found
- Vapor Pressure, mm Hg @ 20 °C** : Unknown
- Vapor Density** : Unknown
- Solubility in Water** : Soluble
- Molecular Formula** : Not applicable, formulated mixture.
- Density, g/mL @ 25 °C** : Unknown
- Evaporation Rate(Butyl Acetate = 1)** : Unknown
- Octanol/Water Partition Coefficient** : No information found



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pH : Not applicable  
Flammable Limits (approximate volume % in air) : Unknown  
Auto-ignition Temperature : No information found  
Decomposition temperature : No information found

### 10. Stability and Reactivity

Reactivity : No information known  
Chemical Stability : Stable  
Hazardous Decomposition Products : May produce hazardous fumes or hazardous decomposition products.  
Hazardous Polymerization : Will not occur  
Conditions to Avoid : High temperatures  
Incompatible Materials : None known

### 11. Toxicological Information

Acute Toxicity (Oral LD50) : No LD50 available. May be harmful if swallowed.  
Acute Toxicity (Dermal LD50) : No LD50 available. No hazard expected.  
Acute Toxicity Inhalation LC50 : No LC50 available. May be harmful if inhaled.  
Likely Routes of Exposure : Skin, eyes, inhalation, ingestion  
Skin Irritation : Causes skin irritation.  
Eye Irritation : Causes serious eye irritation.  
Skin Sensitization : No information found  
Carcinogenic : Not listed  
Chronic Effects : None noted  
Other Hazards : None noted

### 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  
Environmental Hazards : No information found  
Transport in Bulk : No information found



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Special Precautions for Transportation : None

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 : 28-April-2015