



# Safety Data Sheet

Report Date 09-Apr-15

Page 1 of 4

## 1. Identification

**Product Name** : VEGETABLE OIL CONCENTRATE  
**Synonyms** : None  
**Product Use** : Vegetable 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** : Irritating to skin  
**Eye Irritation** : Irritating to eyes  
**Acute Toxicity Oral** : LD50 3,310 mg/kg (rat)  
**Acute Toxicity Dermal** : LD50 >2,000 mg/kg (rabbit)

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

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

## 3. Composition / Information on Ingredients

Component	CAS Number	Weight %
Vegetable Oil	68956-68-3	85.00
Alkylphenol ethoxylate	127087-87-0	14.48
Constituents ineffective as spray adjuvant	Proprietary	0.52

## 4. First Aid Measures

**Eye** : Hold eye 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 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 by mouth-to-mouth, if possible. Call a doctor or poison control center for further treatment advice.

**Ingestion** : Call a poison control center or doctor immediately for treatment advice. Have the 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.

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



## Safety Data Sheet

Report Date 09-Apr-15

Page 2 of 4

### 5. Fire Fighting Measures

- Extinguishing Media** : Use dry chemical, carbon dioxide or alcohol foam extinguishing agents.
- Specific Hazards Arising from the Chemical** : Water or foam extinguishing agents may cause frothing.
- Special Fire Fight Proc** : Wear self-contained breathing apparatus and full protective clothing. Use water spray to keep fire-exposed containers cool. Water spray may be ineffective in fighting fire.

### 6. Accidental Release Measures

- Personal Precautions** : Keep unprotected and unnecessary personnel out of spill area.
- Protective Equipment** : Splashproof goggles or face shield, impervious gloves, apron and footwear. Use NIOSH-approved air-purifying respirator suitable for oils if spray is present. Eyewash should be available in work area.
- Emergency Procedures** : Do not contaminate water supplies, streams, ponds, lakes or drains with spilled product. Spills may be reportable to the National Response Center under the Clean Water Act/Oil Pollution Prevention Act.
- Methods and Materials for Containment and Cleanup** : Dike and absorb spilled product with an absorbent such as clay or sand. Collect spilled material and place in suitable containers for proper disposal. Flush spill area with water, absorb and place in same containers with collected product.

### 7. Handling and Storage

- Precautions for Safe Handling** : Do not contaminate water, food or feed by storage or disposal. Keep container tightly closed. Do not allow water to be introduced into container. Wash thoroughly after handling and before eating, drinking, chewing gum or using tobacco products.
- Conditions for Safe Storage** : Keep product locked up and out of reach of children. Do not store near heat or open flame. Do not store with oxidizing agents or ammonium nitrate.

### 8. Exposure Controls / Personal Protection

- TLV/PEL** : Not established
- Appropriate Engineering Controls** : Mechanical exhaust system recommended.
- Personal Protective Equipment** : Splashproof goggles or face shield, impervious gloves, apron and footwear. Use NIOSH-approved air-purifying respirator suitable for oils if spray is present. Eyewash should be available in work area.

### 9. Physical and Chemical Properties

- Odor/Appearance** : Clear red liquid with vegetable odor.
- Flash Point, °F** : 250 Degrees F.
- Boiling Point, °F** : Not determined
- Melting Point(Freezing point), °C** : <32 Degrees F.
- Vapor Pressure, mm Hg @ 20 °C** : Not applicable (oil)
- Vapor Density** : >1 (air = 1)
- Solubility in Water** : Dispersible
- Molecular Formula** : Not applicable, formulated mixture.
- Density, g/mL @ 25 °C** : 0.915-0.930
- Evaporation Rate(Butyl Acetate = 1)** : No data available



## Safety Data Sheet

Report Date 09-Apr-15

Page 3 of 4

**Octanol/Water Partition Coefficient** : No information found  
**pH** : Non-aqueous  
**Flammable Limits (approximate volume % in air)** : Not determined  
**Auto-ignition Temperature** : 850 Degrees F.  
**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** : Avoid contact with strong oxidizers.  
**Incompatible Materials** : Avoid contact with strong oxidizers.

### 11. Toxicological Information

**Acute Toxicity (Oral LD50)** : 3,310 mg/kg (rat)  
**Acute Toxicity (Dermal LD50)** : >2,000 mg/kg (rabbit)  
**Acute Toxicity Inhalation LC50** : No data available. In high concentrations, vapors may be irritating to the respiratory system.  
**Likely Routes of Exposure** : Skin and eyes.  
**Skin Irritation** : Irritating to the skin.  
**Eye Irritation** : Irritating to the eyes.  
**Skin Sensitization** : Not listed as a sensitizer.  
**Carcinogenic** : Not listed by IARC, NTP or OSHA.  
**Chronic Effects** : No additional adverse health effects noted.  
**Other Hazards** : CA Prop 65 Warning: This product contains chemicals known to the State of California to cause cancer and 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** : Do not contaminate water supplies, lakes, streams, ponds or drains with this product.

### 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



# Safety Data Sheet

Report Date **09-Apr-15**

Page 4 of 4

**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** :

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 Pressure: N  
Fire: N  
Reactive: N

## 16. Other Information

**Data of Preparation/Revision** : 09-April-2015