



# Safety Data Sheet

Report Date 29-Mar-15

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## 1. Identification

**Product Name** : AGRI-DEX  
**Synonyms** : None  
**Product Use** : Crop Oil Concentrate  
**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** : Non-irritating  
**Eye Irritation** : Rated non-irritating  
**Acute Toxicity Oral** : LD50 (rat) >5,000 mg/kg  
**Acute Toxicity Dermal** : LD50 (rat) >5,050 mg/kg

**Hazard Categories** : Oral/Dermal Toxicity - 5/5; Eye Irritation - 2B; Skin Irritation - 3; Inhalation Toxicity - 4

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

## 3. Composition / Information on Ingredients

Component	CAS Number	Weight %
Heavy range paraffinic oil, Polyol fatty acid esters, and Polyethoxylated derivatives thereof	Proprietary	99.00
Constituents ineffective as spray adjuvants	Nonhazardous	1.00

## 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 the first 5 minutes then continue rinsing the 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 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. Do not induce vomiting unless told to do so by a poison control center or doctor. Do not give any liquid to the person. Do not give anything by mouth if unconscious.

**Indication of Immediate Medical Attention and Special Treatment Needed** : Treatment should be directed toward control of the symptoms. Pulmonary aspiration hazard - if swallowed and/or vomiting occurs, can enter lungs and cause damage.



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### 5. Fire Fighting Measures

- Extinguishing Media** : Use water fog, foam, dry chemical or carbon dioxide extinguishing agents.  
**Specific Hazards Arising from the Chemical** : Not a flammable liquid but can be made to burn.  
**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 faceshield, impervious gloves, impervious apron and footwear. Eyewash should be available in work area. Respiratory protection is not needed unless heated or misted.  
**Emergency Procedures** : Dike spill to prevent spreading and entering any waterways, drains or sewers.  
**Methods and Materials for Containment and Cleanup** : Use an oil absorbent material, such as clay, sand or sawdust. Collect and place in suitable chemical waste disposal container for proper disposal.

### 7. Handling and Storage

- Precautions for Safe Handling** : Keep out of reach of children. Do not contaminate water supplies, lakes, streams, ponds or drains.  
**Conditions for Safe Storage** : Do not store with food, feed or other material to be consumed or used by humans or animals. Store in original container only. Keep container tightly closed. Do not allow water to be introduced into the contents of this container. Do not store near heat or open flame. Do not store with oxidizing agents or ammonium nitrate.

### 8. Exposure Controls / Personal Protection

- TLV/PEL** : PEL 5 mg/m<sup>3</sup> (paraffin oil mist)  
**Appropriate Engineering Controls** : Ventilate as needed to comply with exposure limit.  
**Personal Protective Equipment** : Splashproof goggles or faceshield, impervious gloves, impervious apron and footwear. Eyewash should be available in work area. Respiratory protection is not needed unless heated or misted.

### 9. Physical and Chemical Properties

- Odor/Appearance** : Clear amber liquid, mineral oil odor.  
**Flash Point, °F** : >200 Degrees F.  
**Boiling Point, °F** : 625 - 830 Degrees F.  
**Melting Point(Freezing point), °C** : <10 Degrees F.  
**Vapor Pressure, mm Hg @ 20 °C** : <0.0001 mmHg  
**Vapor Density** : 10+  
**Solubility in Water** : Dispersible  
**Molecular Formula** : Not applicable, formulated mixture.  
**Density, g/mL @ 25 °C** : 0.870-0.890  
**Evaporation Rate(Butyl Acetate = 1)** : 1000X  
**Octanol/Water Partition Coefficient** : No information found  
**pH** : Not applicable  
**Flammable Limits (approximate volume % in air)** : No information found



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Auto-ignition Temperature : 670 Degrees F. (estimate)  
Decomposition temperature : No information found

### 10. Stability and Reactivity

Reactivity : No information found  
Chemical Stability : Stable  
Hazardous Decomposition : May produce carbon monoxide, carbon dioxide and asphyxiants under fire conditions.  
Products  
Hazardous Polymerization : Will not occur  
Conditions to Avoid : Avoid heat, sparks and open flames.  
Incompatible Materials : Alkalies and strong oxidizers

### 11. Toxicological Information

Acute Toxicity (Oral LD50) : >5,000 mg/L (rat)  
Acute Toxicity (Dermal LD50) : >5,050 mg/L (rat)  
Acute Toxicity Inhalation LC50 : >2.17 mg/L (rat)  
Likely Routes of Exposure : Inhalation, skin, eyes.  
Skin Irritation : Non-irritating  
Eye Irritation : Rated non-irritating  
Skin Sensitization : Non-sensitizing (Buehler) on Guinea pig  
Carcinogenic : Not listed by IARC, NTP or OSHA.  
Chronic Effects : No information found  
Other Hazards : No information found

### 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.

### 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)



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## 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 :** 28-March-2015