



Safety Data Sheet

Report Date 18-Jul-19

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1. Identification

Product Name : AGRI-DEX
Synonyms : None
Product Use : Crop Oil Concentrate
Manufacturer/Supplier : Helena Agri-Enterprises, LLC
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 mild skin irritation
Eye Irritation : Causes eye irritation
Acute Toxicity Oral : LD50 (rat) >5,000 mg/kg
Acute Toxicity Dermal : LD50 (rat) >5,050 mg/kg

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

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 %
Paraffinic oil, ethoxylated sorbitan fatty acid ester, sorbitan fatty acid ester. Constituents ineffective as spray adjuvants	Proprietary	99.00
	Nonhazardous	1.00
Surfactant Content:		17.0%
Unulfonated Oil Residue (UR) Value:		95.0% minimum

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/m³ (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



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Flammable Limits (approximate volume % in air) : No information found
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 Products : May produce carbon monoxide, carbon dioxide and asphyxiants under fire conditions.
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). May be harmful if swallowed.
Acute Toxicity (Dermal LD50) : >5,050 mg/L (rat). May be harmful in contact with skin.
Acute Toxicity Inhalation LC50 : >2.17 mg/L (rat). Harmful if inhaled.
Likely Routes of Exposure : Inhalation, skin, eyes.
Skin Irritation : Causes mild skin irritation. Non-irritating in testing.
Eye Irritation : Causes eye irritation. Rated non-irritating in testing.
Skin Sensitization : Non-sensitizing (Buehler) on Guinea pig
Carcinogenic : Not listed by IARC, NTP or OSHA.
Chronic Effects : No information found
Other Hazards : CA PROPOSITION 65 WARNING: no listed ingredients appear on the CA PROPOSITION 65 WARNINGS listing.

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



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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 : 18-July-2019