Safety Data Sheet

1. Identification

Product Name : CROP OIL CONCENTRATE
Synonyms : 85/15 Spray Oil Concentrate
Product Use : Mineral Oil Spray Adjuvant
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 (no symbol)
Skin Irritation : Maximum irritation score=0.2z; Practically not an irritant.
Eye Irritation : 7.7= maximum irritation score in non-washed eyes; 6.0=maximum irritation in washed eyes. Minimally irritating
Acute Toxicity Oral : LD50 (rat) >5,050 mg/kg
Acute Toxicity Dermal : LD50 (rat) >2,010 mg/kg

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

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

3. Composition / Information on Ingredients

Component	CAS Number	Weight %
Mineral Oil	8042-47-5	85.00
Polyoxyethoxylated Polyol Fatty Acid Ester and Polyol Fatty Acid Ester	Proprietary	15.00

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 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 further treatment advice.
Inhalation : Move to fresh air if irritation is noted. Consult a physician if irritation persists.
Ingestion : Do not give any liquid to the person. Immediately call a poison control center or doctor. Do not induce vomiting ulness told to do so by a poison control center or doctor. Do not give anything by mouth to an unconscious person.
Indication of Immediate Medical Attention and Special Treatment Needed : If contact is made with a spray solution containing pesticides, follow the "Statement of Practical Treatment/First Aid" on the pesticide label. Petroleum distillate may pose an aspiration pneumonia hazard.

5. Fire Fighting Measures

Extinguishing Media : Use water spray, foam, dry chemical or carbon dioxide extinguishing agents.
Specific Hazards Arising from the Chemical : Containers may rupture violently if overheated. After fire is controlled, do not handle containers until they have returned to ambient temperature.

Special Fire Fight Proc : Wear positive pressure self-contained breathing apparatus and full protective clothing. Avoid getting water from firefighting into domestic or irrigation water supplies.

6. Accidental Release Measures

Personal Precautions : Wear appropriate protective equipment.
Protective Equipment : Impervious gloves, splashproof goggles, impervious apron and footwear. Eyewash station should be available.
Emergency Procedures : Keep material out of sewers and waterways by diking or impounding area.
Methods and Materials for Containment and Cleanup : Recover free product. Add sand, earth, or other suitable absorbent to spill area. Advise authorities if product has entered or may enter sewers or waterways.

7. Handling and Storage

Precautions for Safe Handling : Keep out of reach of children. Do not store with food, feed or other material to be used or consumed by humans or animals. Do not contaminate water supplies, lakes, streams or ponds. Keep containers closed when not in use.
Conditions for Safe Storage : Store in original container only. Keep container tightly closed. Do not allow water to be introduced into the 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 : 5 mg/m3 (mineral oil)
Appropriate Engineering Controls : Local exhaust should be sufficient.
Personal Protective Equipment : Impervious gloves, splashproof goggles, impervious apron and footwear. Eyewash station should be available.

9. Physical and Chemical Properties

Odor/Appearance : Clear amber liquid with mineral oil odor.
Flash Point, ^{0}F : >200 Degrees F.
Boiling Point, ^{0}F : 625-830 Degrees F.
Melting Point(Freezing point), ^{0}C : Not applicable
Vapor Pressure, mm Hg @ 20 ^{0}C : .0001 mm/HG
Vapor Density : 10+
Solubility in Water : Dispersible
Molecular Formula : Not applicable, formulated mixture.
Density, g/mL @ 25 ^{0}C : 0.860-0.880
Evaporation Rate(Butyl Acetate = 1) : 1000X
Octanol/Water Partition Coefficient : No information found
pH : Not applicable, non-aqueous.
Flammable Limits (approximate volume % in air) : Not established
Auto-ignition Temperature : 650 Degrees F. (est.)
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	: Do not mix with strong oxidizing agents such as hydrogen peroxide, bromine, chlorine and strong acids.
Incompatible Materials	: Strong oxidizing agents, such as hydrogen peroxide, bromine, chlorine, and strong acids.

11. Toxicological Information

Acute Toxicity (Oral LD50)	: >5,050 mg/kg (rat). May be harmful if swallowed.
Acute Toxicity (Dermal LD50)	: >2,010 mg/kg (rat). May be harmful in contact with skin.
Acute Toxicity Inhalation LC50	: No LC50 data available. May be harmful if inhaled.
Likely Routes of Exposure	: Skin, eyes, inhalation.
Skin Irritation	: Causes skin irritation. Practically not an irritant; maximum irritation score = 0.2z.
Eye Irritation	: Causes eye irritation. Minimally irritating; 7.7= maximum irritation score in non-washed eyes; 6.0=maximum irritation in washed eyes.
Skin Sensitization	: Not listed as a sensitizer.
Carcinogenic	: Not listed by IARC, NTP or OSHA.
Chronic Effects	: Prolonged or repeated skin contact with this product tends to remove skin oils, possible leading to irritation and dermatitis.
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	: 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	: May be classified as an oil under the Section 311 of the Clean Water Act and the Oil Pollution Act.
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 : 01-August-2019