



Safety Data Sheet

Report Date 12-Apr-15

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1. Identification

Product Name : CITRU-FILM
Synonyms : None
Product Use : Nonionic Spray Adjuvant, Deposition Agent
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 (no symbol)
Skin Irritation : Causes mild skin irritation
Eye Irritation : Causes eye irritation
Acute Toxicity Oral : LD50 > 5,010 mg/kg (rat)
Acute Toxicity Dermal : LD50 > 2,020 mg/kg (rabbit)

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

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

3. Composition / Information on Ingredients

Component	CAS Number	Weight %
Blend of light to mid range paraffin base petroleum oil, polyol fatty acid esters, and polyethoxylated derivatives thereof. Components ineffective as adjuvant	Proprietary	99.00
	Nonhazardous	1.00

4. First Aid Measures

Eye : Rinse cautiously 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 all contaminated clothing immediately. Rinse skin with water or shower. Get medical attention if irritation develops or persists.

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 treatment advice.

Ingestion : Call a poison control center or doctor immediately. 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

Extinguishing Media : Use water spray, fog, alcohol foam, dry chemical or carbon dioxide extinguishing agents.



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Specific Hazards Arising from the Chemical : Avoid breathing fumes.

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 face shield, impervious gloves, impervious apron and footwear. No respiratory protection normally needed. Eyewash station should be available.
- Emergency Procedures** : Do not contaminate water supplies, lakes, streams, ponds or drains.
- Methods and Materials for Containment and Cleanup** : Dike and absorb spilled product with an absorbent, such as clay, sand or sawdust. Collect and transfer to suitable containers for proper disposal. Flush spill area with water, absorb and place in same containers with recovered product.

7. Handling and Storage

- Precautions for Safe Handling** : Keep out of reach of children. Keep container tightly closed, do not allow water to be introduced into the contents of the container. Do not contaminate water sources by runoff from cleaning of equipment, disposal of equipment washwaters or spray waste.
- Conditions for Safe Storage** : Store in original container only. Do not store near heat or open flame. Do not store with oxidizing agents.

8. Exposure Controls / Personal Protection

- TLV/PEL** : No established for mixture.
- Appropriate Engineering Controls** : Local exhaust sufficient.
- Personal Protective Equipment** : Splashproof goggles or face shield, impervious gloves, impervious apron and footwear. No respiratory protection normally needed. Eyewash station should be available.

9. Physical and Chemical Properties

- Odor/Appearance** : Clear green liquid with mineral oil odor.
- Flash Point, °F** : >200 Degrees F.
- Boiling Point, °F** : 380 to 515 Degrees F.
- Melting Point(Freezing point), °C** : Not applicable
- Vapor Pressure, mm Hg @ 20 °C** : 0.08 mmHg
- Vapor Density** : 8+
- Solubility in Water** : Dispersible
- Molecular Formula** : Not applicable, formulated mixture.
- Density, g/mL @ 25 °C** : 0.865-0.885
- Evaporation Rate(Butyl Acetate = 1)** : No information found
- Octanol/Water Partition Coefficient** : Not applicable
- pH** : Not applicable, non-aqueous
- Flammable Limits (approximate volume % in air)** : No information found
- Auto-ignition Temperature** : >300 Degrees C.
- Decomposition temperature** : No information found



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10. Stability and Reactivity

- Reactivity** : No information found
- Chemical Stability** : Stable
- Hazardous Decomposition** : May produce oxides of carbon under fire conditions.
- Products**
- Hazardous Polymerization** : Will not occur
- Conditions to Avoid** : Keep away from heat sources, open flames and other sources of ignition.
- Incompatible Materials** : Avoid contact with oxidizing materials.

11. Toxicological Information

- Acute Toxicity (Oral LD50)** : >5,010 mg/kg (rat)
- Acute Toxicity (Dermal LD50)** : >2,020 mg/kg (rabbit)
- Acute Toxicity Inhalation LC50** : No test values found. Inhalation of dust or smoke may cause irritation of the respiratory tract.
- Likely Routes of Exposure** : Skin and eyes
- Skin Irritation** : Mildly irritating with primary irritation score of 2.36 (rabbit).
- Eye Irritation** : Mildly irritating in nonwashed eyes and minimally irritating in washed eyes with maximum average irritation scores of 6.0 and 5.3, respectively (rabbit).
- Skin Sensitization** : No information found
- Carcinogenic** : Not listed by IARC, NTP or OSHA.
- Chronic Effects** : No information found
- 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** : 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, 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** : None
- 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 : 11-April-2015