



Safety Data Sheet

Report Date 13-Jul-17

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1. Identification

Product Name : DYNE-AMIC
Synonyms : None
Product Use : Modified Vegetable Oil Surfactant Blend
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 : Slightly irritating
Eye Irritation : Zero impact, non-irritating
Acute Toxicity Oral : LD50 (rat) > 5,050 mg/kg
Acute Toxicity Dermal : LD50 (rat) > 2,020 mg/kg

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

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

3. Composition / Information on Ingredients

Component	CAS Number	Weight %
Methyl esters of C16-C18 fatty acids, polyalkyleneoxide modified polydimethylsiloxane, alkylphenol ethoxylate.	37281-78-0;9003-11-6	99.0
Constituents ineffective as spray adjuvant.	Nonhazardous	1.0

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, continuing 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 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. Have person sip a glass of water, if able to swallow. Do not induce vomiting unless told to do so by a medical professional. Do not give anything by mouth if unconscious/convulsing.

Indication of Immediate Medical Attention and Special Treatment Needed : In the event of an adverse response, treatment should be directed toward control of the symptoms.

5. Fire Fighting Measures



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- Extinguishing Media** : Use alcohol foam, dry chemical and carbon dioxide extinguishing systems. Water spray may be ineffective.
- Specific Hazards Arising from the Chemical** : Water may be ineffective but should be used to cool fire-exposed containers.
- Special Fire Fight Proc** : Wear positive-pressure self-contained breathing apparatus and full protective clothing. Stay upwind and fight fire from a safe distance.

6. Accidental Release Measures

- Personal Precautions** : Wear appropriate protective equipment. Keep unprotected and unnecessary personnel out of the area.
- Protective Equipment** : Eyewash station, splashproof goggles, impervious apron and footwear. NIOSH-approved respirator with organic vapor cartridge if vapor/mist is present.
- Emergency Procedures** : Do not contaminate water supplies, lakes, streams or ponds with spilled product.
- Methods and Materials for Containment and Cleanup** : Dike and absorb spill with an inert material such as clay, sand or sawdust. Transfer to suitable chemical disposal containers. Flush spill area with water, absorb and then place in same containers with other material for proper disposal.

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.
- Conditions for Safe Storage** : 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.

8. Exposure Controls / Personal Protection

- TLV/PEL** : Not established
- Appropriate Engineering Controls** : Mechanical ventilation recommended if vapor/mist present.
- Personal Protective Equipment** : Wear chemical-resistant gloves, long-sleeved shirt and long pants, shoes plus socks.

9. Physical and Chemical Properties

- Odor/Appearance** : Light amber liquid with mild odor.
- Flash Point, °F** : >250 Degrees F.
- Boiling Point, °F** : >300 Degrees F.
- Melting Point(Freezing point), °C** : No information found
- Vapor Pressure, mm Hg @ 20 °C** : No information found
- Vapor Density** : No information found
- Solubility in Water** : Soluble
- Molecular Formula** : Not applicable, formulated mixture.
- Density, g/mL @ 25 °C** : 0.900-0.930
- Evaporation Rate(Butyl Acetate = 1)** : Not applicable
- Octanol/Water Partition Coefficient** : No information found
- pH** : Not applicable; non-aqueous
- Flammable Limits (approximate volume % in air)** : No information found
- Auto-ignition Temperature** : >750 Degrees F.



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Decomposition temperature : No information found

10. Stability and Reactivity

Reactivity : No information found
Chemical Stability : Stable
Hazardous Decomposition Products : May produce carbon dioxide and carbon monoxide under fire conditions.
Hazardous Polymerization : Will not occur
Conditions to Avoid : Avoid contact with strong oxidizing agents. Keep from heat or open flame.
Incompatible Materials : Avoid contact with strong oxidizing agents.

11. Toxicological Information

Acute Toxicity (Oral LD50) : >5,050 mg/kg (rat). May be harmful if swallowed.
Acute Toxicity (Dermal LD50) : >2,020 mg/kg (rat). May be harmful in contact with skin.
Acute Toxicity Inhalation LC50 : >5.07 mg/L. May be harmful if inhaled.
Likely Routes of Exposure : Skin and eyes
Skin Irritation : Slightly irritating. Not classified as hazardous under 29 CFR 1910.1200 (2012).
Eye Irritation : Zero impact (non-irritating). Causes eye irritation.
Skin Sensitization : Not listed as a skin sensitizer
Carcinogenic : Not listed by IARC, NTP or OSHA.
Chronic Effects : No information found
Other Hazards : CA Prop 65: This product contains a chemical or chemicals known to the state of California to cause cancer or 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 or ponds.

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 : None noted
Transport in Bulk : No information found
Special Precautions for Transportation : None noted
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 : 13-July-2017