



Safety Data Sheet

Report Date 27-Mar-15

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1. Identification

Product Name : Contingent
Synonyms : None
Product Use : Esterified Seed Oil, Petroleum Oil and Surfactant
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 but no effect after Day 10; PII=1.1
Eye Irritation : Mildly irritating and no effect after 4 days.
Acute Toxicity Oral : LD50 (rat) >5,000 mg/kg
Acute Toxicity Dermal : LD50 (rat) >5,050 mg/kg

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

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 % |
|--|-------------------|----------|
| Methylated Seed Oil (MSO), C10-C12 Aromatic Hydrocarbons, Alkyl amine ethoxylate, Alcohol ethoxylate phosphate ester. | Proprietary Blend | 100.00 |

4. First Aid Measures

Eye : Hold eyes open and rinse slowly and gently with water for 15 to 20 minutes. Remove contact lenses, if present, after first 5 minutes then continue rinsing the eyes. Call a poison control center or doctor for treatment advice.

Skin : Remove contaminated clothing. Rinse skin immediately with plenty of water, continuing for 15 to 20 minutes. Call a poison control center or physician for treatment advice.

Inhalation : Move 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 : Immediately call a poison control center or doctor 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 to an unconscious person.

Indication of Immediate Medical Attention and Special Treatment Needed : Treat symptomatically. Presents an aspiration hazard.

5. Fire Fighting Measures



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Extinguishing Media : Use water fog, foam, dry chemical or carbon dioxide extinguishing agents.
Specific Hazards Arising from the Chemical : Emits oxides of carbon, smoke and fumes under fire conditions.
Special Fire Fight Proc : Do not use straight streams of water to fight fire involving this product. Wear self-contained breathing apparatus and full protective clothing. Use water spray to cool fire-exposed containers and surfaces.

6. Accidental Release Measures

Personal Precautions : Keep unprotected and unnecessary personnel out of spill area.
Protective Equipment : Splashproof goggles, chemical-resistant gloves, oil-resistant footwear. Eyewash and safety shower should be available in work area. Use NIOSH-approved air-purifying respirator when exposed to excessive vapors or spray mist.
Emergency Procedures : Spills may be subject to oil spill reporting requirements - consult local regulations.
Methods and Materials for Containment and Cleanup : Absorb small spills with earth, sand or non-combustible material. Collect and transfer to suitable containers for proper disposal. Recover standing liquid by pumping and reuse as intended.

7. Handling and Storage

Precautions for Safe Handling : Keep out of reach of children. Do not contaminate food or feed by storage, handling or disposal. 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 wash waters or spray waste.
Conditions for Safe Storage : Store in original container only. Keep container tightly closed. May freeze at temperatures below 50 Degrees F. Do not store near heat or open flame. Do not store with oxidizing agents or ammonium nitrate.

8. Exposure Controls / Personal Protection

TLV/PEL : No TLV or PEL established.
Appropriate Engineering Controls : General and/or local exhaust should be sufficient.
Personal Protective Equipment : Splashproof goggles, chemical-resistant gloves, oil-resistant footwear. Eyewash and safety shower should be available in work area. Use NIOSH-approved air-purifying respirator when exposed to excessive vapors or spray mist.

9. Physical and Chemical Properties

Odor/Appearance : Clear, amber liquid with aromatic odor.
Flash Point, °F : >203 Degrees F.
Boiling Point, °F : >400 Degrees F.
Melting Point(Freezing point), °C : <50 Degrees F.
Vapor Pressure, mm Hg @ 20 °C : Not determined
Vapor Density : Not determined
Solubility in Water : Insoluble
Molecular Formula : Not applicable, formulated mixture.
Density, g/mL @ 25 °C : 0.943-0.965
Evaporation Rate(Butyl Acetate = 1) : Not determined
Octanol/Water Partition Coefficient : Information not found
pH : 6.19



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Flammable Limits (approximate volume % in air) : Not determined
Auto-ignition Temperature : >800 Degrees F.
Decomposition temperature : Information not found

10. Stability and Reactivity

Reactivity : No information found
Chemical Stability : Stable
Hazardous Decomposition : May emit oxides of carbon and incomplete combustion products under fire conditions.
Hazardous Polymerization : Will not occur
Conditions to Avoid : Avoid open flames and high energy ignition sources.
Incompatible Materials : Avoid contact with nitric acid, sulfuric acid and strong oxidizers.

11. Toxicological Information

Acute Toxicity (Oral LD50) : >5,000 mg/Kg (rat)
Acute Toxicity (Dermal LD50) : >5,050 mg/Kg (rat)
Acute Toxicity Inhalation LC50 : >2.17 mg/L (vapor limit)
Likely Routes of Exposure : Skin and eye contact, inhalation
Skin Irritation : Slightly irritating but no effect after day 10; PII=1.1.
Eye Irritation : Mildly irritating and no effect after 4 days.
Skin Sensitization : Not a skin sensitizer.
Carcinogenic : Not listed by IARC, NTP or OSHA.
Chronic Effects : No information found
Other Hazards : This product contains petroleum distillates which consist of solvent naphtha. Naphthalene caused cancer in laboratory animal studies but the relevance of these findings to humans is uncertain.

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 in non-bulk packages. Regulated in bulk or if shipped by IATA (air) or IMDG (vessel) in any size package as Environmentally Hazardous Substance, Liquid, n.o.s. (methyl-naphthalenes).
Transport Hazard Class : Class 9 (bulk/IATA/IMDG)
UN Identification Number : 3082(bulk/IATA/IMDG)
Packaging Group : PG III (bulk/IATA/IMDG)



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Environmental Hazards : Marine Pollutant - methyl-naphthalenes
Transport in Bulk : Marine Pollutant - methyl-naphthalenes
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 N
Pressure:
Fire: N
Reactive: N

16. Other Information

Data of Preparation/Revision : 27-March-2015