



Safety Data Sheet

Report Date 14-Apr-15

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1. Identification

Product Name : JUSTIFIED
Synonyms : None
Product Use : Nonionic surfactants
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
Skin Irritation : May cause skin irritation
Eye Irritation : Causes eye irritation
Acute Toxicity Oral : LD50 (rat) 36,400 mg/kg
Acute Toxicity Dermal : No hazard anticipated due to skin absorption

Hazard Categories : Eye Irritation - 2A; 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 serious eye irritation
Causes mild skin irritation
May be harmful if inhaled

3. Composition / Information on Ingredients

Component	CAS Number	Weight %
Modified seed oils, petroleum oil, sorbitan fatty acid ester, dimethylpolysiloxane	Proprietary	100.00

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 the eye. Call a poison control center or doctor for treatment advice if irritation persists.

Skin : Remove contaminated clothing. Rinse skin immediately with plenty of water for 15 to 20 minutes. Call a poison control center or doctor for treatment advice if irritation persists.

Inhalation : Move 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 to an unconscious person.

Indication of Immediate Medical Attention and Special Treatment Needed : Contains petroleum distillates. May pose an aspiration pneumonia hazard. Treat symptomatically.



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5. Fire Fighting Measures

- Extinguishing Media** : Use alcohol-resistant foam, carbon dioxide, dry powder or water fog extinguishing agents.
- Specific Hazards Arising from the Chemical** : None currently known.
- 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, impervious gloves, impervious apron and footwear. Eyewash station should be available in work area. Use NIOSH-approved air-purifying respirator if needed.
- Emergency Procedures** : Spill area will be quite slippery. Do not allow spilled product to enter waterways, lakes, streams, ponds or drains.
- Methods and Materials for Containment and Cleanup** : Clean up spills with inert absorbent, such as clay, sand or sawdust. Collect absorbent and place in suitable chemical waste container for proper disposal. Spills may be reportable under the Clean Water Act, Section 311.

7. Handling and Storage

- Precautions for Safe Handling** : Keep out of reach of children. Do not discharge into drains, water courses or onto the ground. Keep container closed. Do not allow water to be introduced into the container contents. Empty containers may retain product residues so label warnings should be followed even after the container is emptied.
- Conditions for Safe Storage** : Do not store with food, feed or other material to be used or consumed by humans or animals. Do not store near heat or open flames. Do not store with oxidizing agents.

8. Exposure Controls / Personal Protection

- TLV/PEL** : No TLV or PEL established for this mixture.
- Appropriate Engineering Controls** : Good general ventilation should be used.
- Personal Protective Equipment** : Splashproof goggles, impervious gloves, impervious apron and footwear. Eyewash station should be available in work area. Use NIOSH-approved air-purifying respirator if needed.

9. Physical and Chemical Properties

- Odor/Appearance** : Slightly hazy, amber to orange, viscous liquid.
- Flash Point, °F** : >200 Degrees F.
- Boiling Point, °F** : Not specified
- Melting Point(Freezing point), °C** : Not specified
- Vapor Pressure, mm Hg @ 20 °C** : Not specified
- Vapor Density** : Not specified
- Solubility in Water** : Dispersible
- Molecular Formula** : Not applicable, formulated mixture.
- Density, g/mL @ 25 °C** : 0.917-0.937 g/ml
- Evaporation Rate(Butyl Acetate = 1)** : Not specified



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Octanol/Water Partition Coefficient : No information found
pH : Not applicable, non-aqueous.
Flammable Limits (approximate volume % in air) : Not determined
Auto-ignition Temperature : Not determined
Decomposition temperature : Not specified

10. Stability and Reactivity

Reactivity : No information found
Chemical Stability : Stable
Hazardous Decomposition Products : May emit oxides of carbon and asphyxiants under fire conditions.
Hazardous Polymerization : Will not occur
Conditions to Avoid : Avoid contact or storage with strong alkalis and strong oxidizers.
Incompatible Materials : Strong alkalis and strong oxidizers.

11. Toxicological Information

Acute Toxicity (Oral LD50) : 36,400 mg/kg (rat)
Acute Toxicity (Dermal LD50) : No hazard anticipated
Acute Toxicity Inhalation LC50 : Vapor inhalation in high atmospheric concentrations may occur causing respiratory system irritation.
Likely Routes of Exposure : Skin, eyes
Skin Irritation : May cause skin irritation
Eye Irritation : Causes eye irritation
Skin Sensitization : Prolonged or repeated skin contact with this product tends to remove skin oils, possibly leading to irritation and dermatitis.
Carcinogenic : Not listed by IARC, NTP or OSHA.
Chronic Effects : None currently known.
Other Hazards : CA Prop 65: This product contains a chemical(s) known to the state of California to cause cancer and birth defects or other reproductive harm: 1,4-dioxane, ethylene oxide, acetaldehyde.

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.



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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 : 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 : 14-April-2015