



Safety Data Sheet

Report Date 09-May-15

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1. Identification

Product Name : SURFIX
Synonyms : None
Product Use : Nonionic Spray Adjuvant
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 to the skin.
Eye Irritation : Mildly irritating to the eye.
Acute Toxicity Oral : Practically non-toxic by ingestion.
Acute Toxicity Dermal : Practically non-toxic by skin absorption.

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 %
Beta pinene polymers	Proprietary	96.00
Inert ingredients	Nonhazardous	4.00

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 eye. Call a poison control center or doctor for further 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 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. 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 : In the event of an adverse response, treatment should be directed toward control of the symptoms.

5. Fire Fighting Measures

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

Specific Hazards Arising from the Chemical : Carbon dioxide and carbon monoxide may be emitted under fire conditions.



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Special Fire Fight Proc : Wear self-contained breathing apparatus and full protective clothing. Use water spray to keep fire-exposed containers cool.

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.
- Emergency Procedures** : Do not contaminate water supplies, lakes, streams, ponds or drains with spilled product.
- Methods and Materials for Containment and Cleanup** : Dike and absorb spilled product with an absorbent such as clay, sand or sawdust. Transfer to suitable containers for proper disposal. Flush spill area with water then absorb and place in same containers with other material for disposal.

7. Handling and Storage

- Precautions for Safe Handling** : Keep locked up and out of reach of children. Do not contaminate water, food or feed by storage, handling or disposal. Keep container tightly closed. Do not allow water to be introduced into the contents of the container.
- Conditions for Safe Storage** : Store in original container only. 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 available.
- Appropriate Engineering Controls** : Local exhaust sufficient.
- Personal Protective Equipment** : Splashproof goggles or face shield, impervious gloves, impervious apron and footwear.

9. Physical and Chemical Properties

- Odor/Appearance** : Dark amber viscous liquid; pinene hydrocarbon odor
- Flash Point, °F** : >200 Degrees F.
- Boiling Point, °F** : Not determined
- Melting Point(Freezing point), °C** : Not determined
- Vapor Pressure, mm Hg @ 20 °C** : Not applicable
- Vapor Density** : Not applicable
- Solubility in Water** : Dispersible
- Molecular Formula** : Not applicable, formulated mixture.
- Density, g/mL @ 25 °C** : 0.941-0.966
- Evaporation Rate(Butyl Acetate = 1)** : Not determined
- Octanol/Water Partition Coefficient** : No information found
- pH** : 5.5 to 7.0
- Flammable Limits (approximate volume % in air)** : Not applicable
- Auto-ignition Temperature** : Not determined
- Decomposition temperature** : Unknown

10. Stability and Reactivity



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- 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 oxidizers such as hydrogen peroxide, bromine and chromic acid.
Incompatible Materials : Strong oxidizers, such as hydrogen peroxide, bromine and chromic acid.

11. Toxicological Information

- Acute Toxicity (Oral LD50)** : >5,000 mg/kg (rat). May be harmful if swallowed.
Acute Toxicity (Dermal LD50) : >5,050 mg/kg (rabbit). May be harmful in contact with skin.
Acute Toxicity Inhalation LC50 : >2.8 mg/L. May be harmful if inhaled.
Likely Routes of Exposure : Skin, eyes
Skin Irritation : Slightly irritating to the skin.
Eye Irritation : Mildly irritating to the eye.
Skin Sensitization : Not a contact sensitizer.
Carcinogenic : None currently known.
Chronic Effects : None currently known.
Other Hazards : None currently known.

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 : 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** :



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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 : 09-May-2015