



Safety Data Sheet

Report Date 18-May-15

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1. Identification

Product Name : SOAKER PLUS A
Synonyms : None
Product Use : Premium Spray Adjuvant and Turf Wetting 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 >5,000 mg/kg (rat)
Acute Toxicity Dermal : LD50 >5,000 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 nonionic polyols | Proprietary | 50.00 |
| Coupling agents | Proprietary | 25.00 |
| Inert ingredients | Proprietary | 25.00 |

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 dry chemical, water spray, water fog, carbon dioxide, foam or sand/earth.
Specific Hazards Arising from the Chemical : None currently known.



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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. Use caution when responding to spill as spill area will be quite slippery.
- Protective Equipment** : Splashproof goggles or face shield, impervious gloves, impervious apron and footwear. Respiratory protection not normally needed. Eyewash and emergency shower should be available in work area.
- Emergency Procedures** : Do not contaminate water supplies, lakes, streams, ponds or drains.
- Methods and Materials for Containment and Cleanup** : Absorb with an inert material, such as sand, soil or vermiculite. Sweep up, place in suitable chemical disposal container and dispose in accordance with federal, state and local regulations.

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** : Not established for mixture
- Appropriate Engineering Controls** : Local (mechanical) exhaust.
- Personal Protective Equipment** : Splashproof goggles or face shield, impervious gloves, impervious apron and footwear. Respiratory protection not normally needed. Eyewash and emergency shower should be available in work area.

9. Physical and Chemical Properties

- Odor/Appearance** : Clear colorless, slightly viscous liquid.
- Flash Point, °F** : >200 Degrees F.
- Boiling Point, °F** : Not established
- Melting Point(Freezing point), °C** : Not determined
- Vapor Pressure, mm Hg @ 20 °C** : Not measured
- Vapor Density** : Not measured
- Solubility in Water** : Soluble
- Molecular Formula** : Not applicable, formulated mixture.
- Density, g/mL @ 25 °C** : 1.030-1.050
- Evaporation Rate(Butyl Acetate = 1)** : Not measured
- Octanol/Water Partition Coefficient** : No information found
- pH** : 4.5 to 6.5 (1%)
- Flammable Limits (approximate volume % in air)** : Not determined
- Auto-ignition Temperature** : Not determined
- Decomposition temperature** : No information found

10. Stability and Reactivity



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- Reactivity** : No information found
Chemical Stability : Stable
Hazardous Decomposition Products : Thermal decomposition products may include oxides of carbon, as well as irritating or toxic fumes.
Hazardous Polymerization : Will not occur
Conditions to Avoid : Avoid oxidizing agents, extreme heat, open flame, sparks and other sources of ignition.
Incompatible Materials : Keep away from 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) : >5,000 mg/kg (rabbit). May be harmful in contact with skin.
Acute Toxicity Inhalation LC50 : No data available. May be harmful if inhaled.
Likely Routes of Exposure : Skin and eyes
Skin Irritation : Causes mild skin irritation.
Eye Irritation : Causes eye irritation.
Skin Sensitization : No data available
Carcinogenic : Not listed by IARC, NTP or OSHA.
Chronic Effects : No data available.
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 in accordance with 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



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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 : 18-May-2015