



Safety Data Sheet

Report Date 05-Apr-15

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1. Identification

Product Name : Ad-Spray 90
Synonyms : None
Product Use : Nonionic 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
Skin Irritation : Causes mild skin irritation.
Eye Irritation : Causes serious eye irritation.
Acute Toxicity Oral : >2,500 mg/kg - May be harmful if swallowed.
Acute Toxicity Dermal : >5,000 mg/kg

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 %
Alcohol ethoxylate, alkyl phenol ethoxylate, propylene glycol.	Proprietary	90
Constituents ineffective as spray adjuvant.		10

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 eye. Call a poison control center or doctor for 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 not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth to mouth, if possible.

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 poison control center or doctor. Do not give anything by mouth if unconscious.

Indication of Immediate Medical Attention and Special Treatment Needed : Treat symptomatically.

5. Fire Fighting Measures



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- Extinguishing Media** : Use dry chemical, water spray, water fog, carbon dioxide or foam extinguishing agents.
- Specific Hazards Arising from the Chemical** : None currently known.
- Special Fire Fight Proc** : Wear self-contained breathing apparatus and full protective clothing. Avoid breathing fumes. Water spray may be ineffective in fire fighting.

6. Accidental Release Measures

- Personal Precautions** : Isolate area. Keep unprotected and unnecessary personnel out of spill area.
- Protective Equipment** : Chemical goggles or face shield, chemical-resistant gloves, impervious apron and footwear. NIOSH-approved respirator when needed. Eyewash should be available in work area.
- Emergency Procedures** : Keep upwind of spill. Spilled material may cause a slipping hazard. Ventilate area of leak or spill.
- Methods and Materials for Containment and Cleanup** : Stop the flow of material, if this is without risk. Collect and dispose of spillage properly. Prevent entry into waterways, sewers, basements or confined areas.

7. Handling and Storage

- Precautions for Safe Handling** : Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and again before leaving work. Handle in accordance with good industrial hygiene and safety procedures.
- Conditions for Safe Storage** : Store in a dry place. Store in original container. Do not store near food, foodstuffs, drugs or potable water supplies.

8. Exposure Controls / Personal Protection

- TLV/PEL** : No information found
- Appropriate Engineering Controls** : Local exhaust ventilation may be needed.
- Personal Protective Equipment** : Chemical goggles or face shield, boots, apron or full body suit, nitrile or rubber gloves. Use NIOSH-approved respirator when needed. Safety shower should be available in work area.

9. Physical and Chemical Properties

- Odor/Appearance** : Clear amber to yellow liquid; surfactant odor.
- Flash Point, °F** : >200 Degrees F.
- Boiling Point, °F** : >200 Degrees F.
- Melting Point(Freezing point), °C** : <35 Degrees F.
- 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** : 0.897-1.080
- Evaporation Rate(Butyl Acetate = 1)** : No information found
- Octanol/Water Partition Coefficient** : No information found
- pH** : 2.7-7.0
- Flammable Limits (approximate volume % in air)** : No information found



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Auto-ignition Temperature : 750 Degrees F.
Decomposition temperature : No information found

10. Stability and Reactivity

Reactivity : No information found.
Chemical Stability : Stable
Hazardous Decomposition : May emit carbon dioxide and carbon monoxide under fire conditions.
Products
Hazardous Polymerization : Will not occur
Conditions to Avoid : Avoid excessive temperatures and open flames.
Incompatible Materials : Avoid strong oxidizers, such as hydrogen peroxide, bromine and chromic acid.

11. Toxicological Information

Acute Toxicity (Oral LD50) : Alcohol ethoxylate >1,300 mg/kg (rat)
Acute Toxicity (Dermal LD50) : Alkylphenol ethoxylate 2 g/kg (rabbit)
Acute Toxicity Inhalation LC50 : No information found
Likely Routes of Exposure : Skin and eyes.
Skin Irritation : Mild skin irritation
Eye Irritation : Eye irritation
Skin Sensitization : No data available
Carcinogenic : This product contains no ingredients (at greater than 0.1%) that are listed by IARC, NTP or OSHA.
Chronic Effects : No information found
Other Hazards : CA Prop 65: This product contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm. (<0.1%; residual 1,4-dioxane; oxirane)

12. Ecological Information

Ecotoxicity : Alcohol ethoxylate and Alkylphenol ethoxylate LC50 Algae > 1 mg/L (72-hour exposure time); EC50 Daphnia > 1 mg/L (48 hour exposure time); LC50 Fish > 1 mg/L (96 hour exposure time)
Persistence and Degradability : Not established
Bioaccumulative Potential : Not established
Mobility in Soil : Not available
Other Adverse Effects : Avoid release to open bodies of water.

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



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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 : 03-April-2015