



Safety Data Sheet

Report Date 11-Aug-17

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1. Identification

Product Name : AdSpray 80
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 skin irritation
Eye Irritation : Causes eye irritation
Acute Toxicity Oral : LD50 \geq 1,300 mg/kg (rat)
Acute Toxicity Dermal : No LD50 data available

Hazard Categories : Oral/Dermal/Inhalation Toxicity-4/5/4; Eye/Skin Irritation-2B/2;
Combustible Liquid - 4

Hazard Statement : Harmful if swallowed
May be harmful in contact with skin
Harmful if inhaled
Causes skin irritation
Causes eye irritation
Combustible liquid

3. Composition / Information on Ingredients

Component	CAS Number	Weight %
Alkylphenol Ethoxylate, 1,2-Propane Diol, and Alcohol Ethoxylate	Proprietary	80.00
Constituents ineffective as spray adjuvant.	Nonhazardous	20.00

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 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. Call a poison control center or doctor for treatment advice.

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.



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5. Fire Fighting Measures

- Extinguishing Media** : Use water spray, foam solution or carbon dioxide extinguishing agents. Do not use water stream or jet.
- Specific Hazards Arising from the Chemical** : Can be dangerous when exposed to extreme heat and flame. Do not breathe mist/vapors/spray.
- Special Fire Fight Proc** : Wear self-contained breathing apparatus and full protective clothing.

6. Accidental Release Measures

- Personal Precautions** : Isolate area. Keep unprotected and unnecessary personnel out of spill area.
- 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.
- 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** : Keep away from heat/sparks/open flames/hot surfaces. 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 original container only, in a well-ventilated place. Keep cool. Keep container tightly closed. Do not allow water to be introduced into the contents of this container. Do not store near heat or open flame. Do not store with oxidizing agents or ammonium nitrate. Keep locked up and out of the reach of children.

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 colorless to golden/amber liquid; mild odor.
- Flash Point, °F** : >140 Deg. F <200 Deg. F.
- Boiling Point, °F** : 212 Degrees F.
- Melting Point(Freezing point), °C** : <40 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** : 1.020-1.209
- Evaporation Rate(Butyl Acetate = 1)** : Not applicable



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Octanol/Water Partition Coefficient : No information found
pH : 5.0 to 8.0 (5%)
Flammable Limits (approximate volume % in air) : No information found
Auto-ignition Temperature : No information found
Decomposition temperature : No information found

10. Stability and Reactivity

Reactivity : No information found.
Chemical Stability : Stable
Hazardous Decomposition Products : Combustion may yield carbon oxides and asphyxiants.
Hazardous Polymerization : Will not occur
Conditions to Avoid : Avoid heat and open flame. Avoid extreme temperatures.
Incompatible Materials : Store away from strong oxidizers.

11. Toxicological Information

Acute Toxicity (Oral LD50) : \geq 1,300 mg/kg (rat). Harmful if swallowed.
Acute Toxicity (Dermal LD50) : No LD50 data available. May be harmful in contact with skin.
Acute Toxicity Inhalation LC50 : No LC50 data available. Harmful if inhaled.
Likely Routes of Exposure : Skin, eyes, ingestion, inhalation.
Skin Irritation : Causes skin irritation.
Eye Irritation : Causes eye irritation.
Skin Sensitization : No data available
Carcinogenic : No data available
Chronic Effects : No information found
Other Hazards : No information found

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 in non-bulk packages. Not regulated by IATA or IMDG. For DOT bulk packages, ship as Combustible Liquid, n.o.s., (Alcohol Ethoxylate/Alkylphenol Ethoxylate)



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Transport Hazard Class : None
UN Identification Number : None
Packaging Group : None
Environmental Hazards : No information found
Transport in Bulk : Bulk DOT packages, ship as NA1993, Combustible Liquid, n.o.s., (Alcohol Ethoxylate/Alkylphenol Ethoxylate), PG III "ERG #128"
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: 2 Fire: 2 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: Y
Reactive: N

16. Other Information

Data of Preparation/Revision : 11-August-2017