

Material Safety Data Sheet

Effective Date: 10-DEC-2006  
Product: AD-SPRAY 90

I. IDENTIFICATION

Chemical Name: Surfactant Blend  
Chemical Family: Surfactants  
Formula: Not applicable, formulated mixture.  
Synonyms: None  
CAS Number: Not applicable, formulated mixture.  
EPA Number: None required

II. PHYSICAL DATA

Boiling Point: >200 Degrees F.  
Freezing Point: <35 Degrees F.  
Spec Gravity: 1.055 gms/cc  
Vapor Pressure: Not established  
Vapor Density: Not established  
Solubility: 100%  
Volatiles: 10%  
Evaporation: Not determined  
Melting Point: Not applicable  
Appearance: Clear, yellow liquid with surfactant odor.

III. INGREDIENTS

Material	CAS Number	Percent	TLV	Hazard
Aryl alkyl polyalkoxylated glycols and derivatives.		90.00	N/E	Mild skin & eye irritant.
Inert ingredients		10.00	N/E	Non-hazardous.

IV. FIRE AND EXPLOSION HAZARD

Flash Point: >200 Degrees F. (PMCC)  
Autoignition Temp: 750 Degrees F. (est.)  
Flammable Limit: Not determined  
Extinguishing Media: Use dry chemical, water spray, water fog, carbon dioxide or foam extinguishing agents.  
Special Fire Fight Proc: Wear self-contained breathing apparatus and full protective clothing. Avoid breathing fumes. Water spray may be ineffective in fire fighting.  
Fire and Expl Hazard: None currently known.

V. HEALTH HAZARD

Material Safety Data Sheet

Effective Date: 10-DEC-2006  
Product: AD-SPRAY 90

-----  
-----  
Carcinogen Information: None currently known.

ACUTE EFFECTS OF OVER EXPOSURE

-----  
Swallowing: No data currently available.  
Skin Absorption: No data currently available.  
Inhalation: No data currently available.  
Skin contact: Prolonged skin contact may cause mild skin irritation.  
Eye Contact: Direct eye contact with this liquid may cause irritation.  
Chronic Effects: None currently known.  
Other Hazard: None currently known.

EMERGENCY AND FIRST AID PROCEDURES

-----  
Swallowing: Give 2 to 4 glasses of water to drink and induce vomiting. Call a physician.  
Skin: Wash affected area thoroughly with soap and water. If irritation develops, consult a physician.  
Inhalation: Move to fresh air. If irritation develops, consult a physician.  
Eyes: Flush eyes with water for 15 minutes, holding the eyelids open. If irritation develops, consult a physician.  
Notes to Physician: In the event of an adverse response, treatment should be directed toward control of the symptoms and the clinical condition of the patient.

-----  
VI. REACTIVITY

-----  
Stability: Stable  
Conditions to Avoid: Avoid excessive temperatures and open flames.  
Polymerization: Will Not Occur  
Conditions to Avoid: None currently known.  
Incompatibility material: Avoid strong oxidizers, such as hydrogen peroxide, bromine and chromic acid.  
Hazardous Combustion: May emit carbon dioxide and carbon monoxide under fire conditions.

-----  
VII. SPILL OR LEAK PROCEDURES

-----  
Spill or Leak Proc: Dike and absorb spill with an inert material,

Material Safety Data Sheet

Effective Date: 10-DEC-2006  
Product: AD-SPRAY 90

-----  
such as clay, sand or sawdust. Transfer to a suitable container for proper disposal. Flush spill area with water, absorb and place in same containers with other collected material.  
Waste Disposal Method: This material must be disposed of according to Federal, State or Local procedures under the Resource Conservation and Recovery Act.

-----  
VIII. SPECIAL PROTECTION INFORMATION

-----  
Respiration: If spray is present, use NIOSH-approved respiratory protection.  
Ventilation: Mechanical ventilation.  
Gloves: Impervious gloves.  
Eyes: Splashproof goggles.  
Other: Eyewash station, impervious apron and footwear.

-----  
IX. SPECIAL PRECAUTIONS

-----  
Special precaution: Keep out of reach of children. Do not store with food, feed or other material to be used or consumed by humans or animals. Do not contaminate water supplies, lakes, streams or ponds. Keep containers tightly closed. Keep away from heat, sparks or flames. Store at temperatures between 35 Degrees F. and 120 Degrees F.  
Other precaution: This product does not contain any chemical subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372.

-----  
X. SHIPPING INFORMATION

-----  
Shipping name: Not regulated by DOT, IATA or IMDG.  
Hazard Class: None  
Identification No: None  
Labels Required: None required  
Placarding: None  
Freight Class: Adhesive, Adjuvant, Spreader or Sticker, Liquid, N.O.I. (NMFC Item 4610, Class 60)  
Chemical Name: Equivalent R.Q.  
-----  
Not applicable Not applicable

Helena Chemical Company  
PH: 901-761-0050  
CHEMTREC: 800-424-9300

10-DEC-2006 13:58:06  
Page 4 Of 4

Material Safety Data Sheet

Effective Date: 10-DEC-2006  
Product: AD-SPRAY 90

---

XI. GENERAL PRODUCT INFORMATION

---

National Fire Protection Association Rating:  
(Rating level: 4-Extreme, 3-High, 2-Moderate, 1-Slight, 0-Minimum)

Health: 1                      Fire: 1                      Reactivity: 0

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

---

Mail inquiries to: 225 Schilling Blvd., Suite 300 Collierville, TN 38017  
Helena Chemical Company believes that the data contained herein is factual.  
This data is not to be taken as a warranty or representation of legal  
responsibility. It is offered solely for your consideration, investigation  
and verification.