



MATERIAL SAFETY DATA SHEET

Universal Crop Protection Alliance LLC
 1300 Corporate Center Curve
 Eagan, MN 55121

In Case of Emergency, Call:
 24 Hour Emergency Number
 CHEMTREC: 800-424-9300

Medical Emergency Contact:
 1-800-228-5635 Ext. 138

1. CHEMICAL IDENTIFICATION

Product Name: Aquagene 90 Surfactant Product No.: 0913
 EPA Signal Word: Warning
 EPA Reg. Number: N/A
 Active Ingredient (%): N/A CAS No.: N/A
 Chemical Class: Surfactants

2. COMPOSITION/INFORMATION ON INGREDIENTS

Material	OSHA PEL	ACGIH TLV	Other	NTP/IARC/OSHA Carcinogen
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This product contains no hazardous components as defined by OSHA 29 CFR 1910.1200

3. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW: Not regulated material. Clear yellow liquid. Solvent odor. May cause moderate to severe eye irritation. No fire or health hazard beyond that of ordinary combustible material.

Potential Health Effects: This section includes possible adverse effects which could occur if this material is not handled in the recommended manner.

Eye: May cause moderate to severe irritation

Skin: May cause irritation

Ingestion: May cause gastrointestinal irritation, nausea, vomiting, and diarrhea

Inhalation: May cause respiratory discomfort

Systemic (other Target Organs) Effects: No data available

Physical Properties

Appearance: Clear yellow liquid
 Odor: Solvent

4. FIRST AID MEASURES

Ingestion: Do not induce vomiting, consult physician immediately.

Eye Contact: Flush with water immediately and continuously for 15 minutes. Consult a physician.

Skin Contact: Immediately wash the skin with soap and water. Remove contaminated clothing and wash before reuse.

Inhalation: May cause irritation to mucous membranes. Remove to fresh air, consult a physician if irritation develops or breathing is difficult.

5. FIRE FIGHTING MEASURES

Fire and Explosion

Flash Point (Test Method): 120F (Setaflash)

Flammable Limits (% in Air): N/D

Autoignition Temperature: N/D

Flammability: N/D

Hazardous Combustion Products: Thermal decomposition or combustion may produce carbon monoxide and asphyxiants.

Extinguishing Media: Use water, foam, CO₂, and dry chemical.

Fire Fighting Instructions: Firefighters must be equipped to prevent breathing of vapors or products of combustion.

Protective Equipment for Fire Fighters: Wear positive pressure self contained breathing apparatus and protective clothing.

6. ACCIDENTAL RELEASE MEASURES

In Case of Spill or Leak: Wear protective clothing to prevent eye and skin contact. Contain spill with an inert material. Prevent liquid from entering sewers, waterways, and low areas. Shovel or sweep up and dispose of in accordance with federal, state and local regulations.

7. HANDLING AND STORAGE

Precautions to be Taken in Handling and Storage: Good housekeeping and controlling of dusts are necessary for safe handling of product. No smoking, open flames or sources of ignition in handling and storage area. Wash thoroughly with soap and water after handling. Do not contaminate water, food or feed by storage or disposal. Store in original container between 40°F and 120° F. Do not store near heat or open flame.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

These precautions are suggested for conditions with a high potential for exposure. If handling procedures are such that there is only a low potential for exposure, less protection may be needed. Emergency conditions may require additional precautions.

Engineering Controls: Normal room ventilator should be satisfactory. Eyewash stations and safety showers should be easily accessible.

Eye Contact: Wear chemical safety goggles.

Skin Contact: Wear solvent resistant gloves, coveralls, apron, boots as necessary to prevent eye and skin Contact.

Inhalation: Wear NIOSH/MSHA approved respirator as necessary.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Clear yellow liquid
Odor: Solvent
Boiling Point: N/D
Specific Gravity/Density: 0.99 @20°C
pH: N/D
Solubility in H₂O: Soluble
Vapor Pressure: N/D
Vapor Density: N/D

10. STABILITY AND REACTIVITY

Reactivity

Stability: Stable
Hazardous Polymerization: Will not occur
Conditions to Avoid: Elevated temperatures
Incompatible Materials: Keep away from strong oxidizers such as hydrogen peroxide, bromine, and chromic acid.

Hazardous Decomposition Products Carbon monoxide and carbon dioxide

11. TOXICOLOGICAL INFORMATION

Toxicity/Irritation Properties: Mild irritation of eyes, nose, and throat. Headache, nausea, dizziness, and skin dermatitis may also occur.

12. ECOLOGICAL INFORMATION

No data available.

13. DISPOSAL CONSIDERATION

Disposal Method: Do not contaminate food, feed of water by storage or disposal. Improper disposal of excess pesticide, spray mixture, or rinsate is a violation of federal law. Use according to label instructions, otherwise contact your federal, state, and local environmental control agency for disposal guidance.

14. TRANSPORT INFORMATION

DOT Classification: None as packaged

B/L Freight Classification: Adjuvant spreader or sticker

15. REGULATORY INFORMATION

NOTICE: The information herein is presented in good faith and believed to be accurate as of the issue or revision date shown below. However, no warranty, express or implied, is given. Regulatory requirements are subject to change and may differ from one location to another, it is users responsibility to ensure that its activities comply with federal, state and local laws and regulations.

SARA Title III Classification

Section 311/312: Not regulated

Section 313 chemical(s): This product does not contain any chemicals subject to the reporting requirements of this section.

RCRA Classification: Not regulated

TSCA Status: Not applicable

OSHA Hazard Communications Standard: Not applicable

16. OTHER INFORMATION

NFPA Hazard Ratings

Health: 2
Flammability: 2
Reactivity: 0

0	Least
1	Slight
2	Moderate
3	High
4	Severe

Issued Date: August 2, 1999
Supersedes: November 3 1993

Reference MSDS: Witco, Armix 536-HF MSDS dated 6/10/94

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