

# MATERIAL SAFETY DATA SHEET

**CHEMGUARD 3%/6% AR-AFFF, SG36HE**

Revision Date: 1/26/2006

## 1. PRODUCT IDENTIFICATION

Chemical Family: Surfactant mixture; fire fighting foam concentrate  
*Aqueous Film Forming Foam*

Product name: Chemguard 3%/6 AR-AFFF, SG36HE

Manufacturer: Chemguard, Inc.  
204 South 6th Ave.  
Mansfield, TX 76063  
emergency phone: 817-473-9964

## 2. COMPOSITION / INFORMATION ON INGREDIENTS

<u>CAS NO.</u>	<u>Common Name</u>	<u>ACGIH/PPM</u>		<u>OSHA/PPM</u>	
		<u>TWA</u>	<u>STEL</u>	<u>PEL</u>	<u>% by wt</u>
7732-18-5	water				85% - 90%
57018-52-7	propylene glycol t-butyl ether	not established			2% - 4%
7487-88-9	magnesium sulfate	N/A	N/A	N/A	1% - 2%
proprietary mixture	proprietary hydrocarbon surfactant	N/A	N/A	N/A	proprietary
proprietary mixture	proprietary fluorosurfactant	N/A	N/A	N/A	proprietary
proprietary mixture	proprietary polysaccharide	N/A	N/A	N/A	proprietary

## 3. HAZARDS IDENTIFICATION

Routes of entry: Dermal, inhalation and ingestion

Potential Health Effects: May cause skin and eye irritation.

Carcinogenicity: Not a carcinogen.

## 4. FIRST AID MEASURES

Ingestion: Do not induce vomiting. Call a physician.

Inhalation: Remove to fresh air.

Skin: Rinse with water. Wash with soap and water. Contaminated clothing should be washed before re-use.

Eyes: Rinse with water. Call a physician.

## **5. FIRE FIGHTING MEASURES**

Flash Point:	>150°F
Flammable Limits in air (lower % by volume):	not evaluated
Flammable Limits in air (upper % by volume):	not evaluated
Auto-ignition Temperature:	not evaluated

General Hazards: None known.

Fire Fighting Equipment: Self contained breathing apparatus

Fire Extinguishing Media: Water, Foam, Carbon Dioxide, Dry Chemical, Halon

Fire and Explosion Hazards: Decomposition products may be toxic.

Hazardous Combustion Products: oxides of nitrogen, sulfur and carbon

## **6. ACCIDENTAL RELEASE**

Contain spills. Vacuum or pump into storage containers, absorb smaller quantities with absorbent materials, and dispose of properly. Washing area with water will create large amounts of foam.

Dispose of released and contained material in accordance with local, state, and federal regulations. Release to local waste treatment plant only with permission.

## **7. HANDLING AND STORAGE**

Store in original container, or appropriate end-use device. Store at temperatures of 35 - 120 degrees F. If the material freezes, it may be thawed without loss of performance.

## **8. EXPOSURE CONTROLS, PERSONAL PROTECTION**

Eye Protection: Wear side-shield safety glasses.

Skin Protection: Wear latex gloves.

Respiratory Protection: Use organic vapor respirator if needed.

## **9. PHYSICAL AND CHEMICAL PROPERTIES**

Boiling Point:	212°F
Melting Point:	30° F
Specific Gravity:	1.00 g/l
Vapor Pressure (mm Hg):	N/A
pH	7.0 - 8.5
Flash Point (PMCC):	>150°F
Vapor Density (air = 1)	N/A
Solubility in water:	100%
Appearance:	clear amber liquid
Odor:	slight solvent odor

## **10. STABILITY AND REACTIVITY**

Stability: Stable

Incompatibility: Strong oxidizers

Hazardous Polymerization: Will not occur.

Decomposition Products: Oxides of nitrogen, sulfur, carbon.

## **11. TOXICOLOGICAL INFORMATION**

Eye Irritation: (Rabbits) mild irritant

Skin Irritation: (Rabbits) minimal irritant

Inhalation Toxicity: not evaluated

Sensitization: not evaluated

Teratology: not evaluated

Mutagenicity: not evaluated

Reproduction: not evaluated

Acute Oral Effects (Rats): not evaluated

## **12. ECOLOGICAL INFORMATION**

### **CONCENTRATE**

Chemical Oxygen Demand: not evaluated

Biological Oxygen Demand (20 day): not evaluated

Biodegradability (B.O.D./C.O.D.): not evaluated

Total Organic Carbon: not evaluated

LC50 (96 hour pimephales promelas) not evaluated

LC50 (48 hour, daphnia magna) not evaluated

## **13. DISPOSAL CONSIDERATIONS**

Dispose in accordance with local, state, and federal regulations. Discharge to waste treatment plants only with permission. Anti-foam agents may be used to reduce foaming in waste streams.

## **14. TRANSPORTATION INFORMATION**

Department of Transportation proper shipping name: not regulated

## **15. REGULATORY INFORMATION**

All ingredients are on the TSCA inventory.

No components are reportable under SARA Title III, sec. 313

No components are priority pollutants listed under the U.S. Clean Water Act Section 307 (2)(1) Priority Pollutant List (40 CFR 401.15).

No components are reportable under **CERCLA**.

## **16. OTHER INFORMATION**

### **NFPA Hazard Ratings**

1

1

0

Health Hazard Rating

Flammability Rating

Instability/Reactivity Rating

### **HMIS Identification System**

1

1

0

Change Log:

Revision 3, 1/26/06

Revision date changed.