

MATERIAL SAFETY DATA SHEET

CHEMGUARD 3% AFFF C-301MS

Revision Date: 2/19/01

1. PRODUCT IDENTIFICATION

Chemical Family: Surfactant mixture; fire fighting foam concentrate

Product name: Chemguard 3% AFFF C-301MS
Aqueous Film Forming Foam

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				70%-80%
112-34-5	diethylene glycol monobutyl ether	N/A	N/A	N/A	0.5%-1.5%
7487-88-9	magnesium sulfate	N/A	N/A	N/A	0.5%-1.5%
64-02-8	ethylenediaminetetraacetic acid tetrasodium salt				0.5%-1.5%
proprietary	proprietary hydrocarbon surfactant	N/A	N/A	N/A	proprietary
proprietary	proprietary fluorosurfactant	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:	no flash to boiling
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: various oxides of carbon, sulfur and nitrogen

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:	27°F
Specific Gravity:	1.079
Vapor Pressure (mm Hg):	N/D
pH	7.0 - 8.5
Flash Point (PMCC):	no flash to boiling
Vapor Density (air = 1)	N/D
Solubility in water:	100%
Appearance:	clear yellow liquid
Odor:	faint chemical 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

	<u>CONCENTRATE</u>	<u>SOLUTION AS USED</u>
Chemical Oxygen Demand:	260,544 mg/l	7,816 mg/l
Biological Oxygen Demand (20 day):	330,890 mg/l	9,927 mg/l
Biodegradability (B.O.D./C.O.D.):	99.90%	99.90%
Total Organic Carbon:	not determined	not determined
LC50 96 day (fundulus heteroclitus)	1134 mg/l	18,900 mg/l

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

Hazard class: None

UN Number: None

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

0

Health Hazard Rating

Flammability Rating

HMIS Identification System

1

0

0

Instability/Reactivity Rating

0