

**MATERIAL SAFETY**  
**DATA SHEET**

**Chemguard 3% Fluoroprotein**

Revision Date: 3/22/2006

**1. PRODUCT IDENTIFICATION**

Chemical Family: Surfactant mixture; fire fighting foam concentrate  
*Fluoroprotein foam concentrate*

Product name: Chemguard 3% Fluoroprotein

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>Health Class</u>
		<u>TWA</u>	<u>STEL</u>	<u>PEL</u>	<u>% by wt</u>	
100085-61-8	Hydrolised protein	N/A	N/A		balance to 100%	
107-41-5	Hexylene glycol	N/A	N/A	N/A	5 - 12%	Xi, R36/38
- -	Proprietary fluorosurfactants	N/A	N/A	N/A	<5%	Xi, R36/38
10034-99-8	Magnesium sulfate	N/A	N/A	N/A	0.5 - 2.0%	
7782-63-0	Ferrous sulphate	N/A	N/A	N/A	0.5 - 1.0%	R22
55965-84-9	Biocide	N/A	N/A	N/A	<0.5%	Xi, R34/ 43/50/52

**3. HAZARDS IDENTIFICATION**

May cause irritation to skin and eyes. Ingestion may cause nausea, vomiting and diarrhea.

Potential Health Effects: None known.

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: 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°F - 120°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 (100°C)
Melting Point:	16°F (-9°C)
Specific Gravity:	1.14 - 1.16 g/ml
Vapor Pressure (mm Hg):	N/A
pH	7.0 - 8.5
Flash Point (PMCC):	no flash to boil
Vapor Density (air = 1)	N/A
Solubility in water:	100%
Appearance:	dark brown liquid
Odor:	strong odor

## **10. STABILITY AND REACTIVITY**

Stability: Stable

Incompatibility: Strong oxidizers

Hazardous Polymerization: Will not occur.

Decomposition Products: Oxides of nitrogen, sulfur, carbon.

Shelf life: 10 years

## **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): >2000 mg/kg

## **12. ECOLOGICAL INFORMATION**

	<u>CONCENTRATE</u>	<u>SOLUTION (AS USED)</u>
Biodegradability (B.O.D./C.O.D.)	>90% (OECD)	N/A
Total Organic Carbon:	N/A	N/A
LC50 (96 hour leosiscus)	1000 mg/l	N/A

Bioaccumulation: Not expected to bioaccumulate due to metabolism and excretion.

## **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

Risk phrases: R43 May cause sensitization by skin contact.  
R36 / R38 Irritating to eyes and skin

## **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

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Health Hazard Rating

Flammability Rating

### **HMIS Identification System**

1

0

0

Instability/Reactivity Rating

0

Change Log:

Revision 2, 1/26/06

Revision date changed.  
Modified to 16 section format.

Revision 3, 2/10/06

Revision date changed  
Health class symbols added in section 2.

Revision 4, 3/15/06

Specific Gravity corrected.  
Revision Date changed.

Revision 5, 3/22/06

Melting Point corrected  
Revision date changed.