

MATERIAL SAFETY
DATA SHEET

CHEMGUARD FIRST CLASS

Revision Date: 12/20/2006

1. PRODUCT IDENTIFICATION

Chemical Family: Surfactant mixture; fire fighting foam concentrate

Product name: Chemguard First Class, "Class A" foam concentrate and wetting agent.

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>% by wt</u>
		<u>TWA</u>	<u>STEL</u>	<u>PEL</u>	
7732-18-5	water				60 - 75 %
107-41-5	Hexylene glycol				3 - 7%

proprietary mixture of alkyl sulfates, ethoxylates, amphoterics, solvents and corrosion inhibitors

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 boil
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:

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 32° - 120° F. If the material freezes, it may be thawed without loss of performance.

8. EXPOSURE CONTROLS, PERSONAL PROTECTION

Eye Protection: Wear chemical goggles or face shield when handling concentrate.

Skin Protection: Wear latex or rubber gloves.

Respiratory Protection: Use organic vapor respirator if needed.

9. PHYSICAL AND CHEMICAL PROPERTIES

Boiling Point:	205°F
Melting Point:	40°F
Specific Gravity:	1.01 g/ml
Vapor Pressure (mm Hg):	N/A
pH	7.0 - 8.5
Flash Point:	No flash to boil, COC
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

	<u>CONCENTRATE</u>	<u>MIXED SOLUTION</u>
Eye Irritation:	Severely irritating, Toxicity category I	Practically non-irritating Toxicity category IV
Skin Irritation:	Non-irritating	Slightly irritating
Acute Dermal LD50	>2020 mg/kg of body weight	>2020 mg/kg of body weight
Inhalation Toxicity:	not evaluated	
Sensitization:	not evaluated	
Teratology:	not evaluated	
Mutagenicity:	not evaluated	
Reproduction:	not evaluated	
Acute Oral LD50	>5050 mg/kg of body weight	>5050 mg/kg of body weight

12. ECOLOGICAL INFORMATION

	<u>CONCENTRATE</u>	<u>SOLUTION (AS USED 0.5%)</u>
Chemical Oxygen Demand:	760,000 mg/l	3800 mg/l
Biological Oxygen Demand (20 day):	417,000 mg/l	2085 mg/l
Biodegradability (B.O.D./C.O.D.)	55%	55%
Total Organic Carbon:	not determined	not determined
LC50 (96 hour <i>Oncorhynchus mykiss</i>)	130 mg/l	26,000 mg/l
LC50 (48 hour, <i>daphnia magna</i>)	not determined	not determined

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

2
0
0

Health Hazard Rating

Flammability Rating

Instability/Reactivity Rating

HMIS Identification System

2
0
0

Change Log:

Revision 2, 1/26/06

Revision date changed.

Revision 3, 11/9/06

Flash point changed from ">196° to "no flash" based on new test data.

Flammability rating changed based on new test data.

Revision 4, 12/20/06

Fish toxicity updated in section 12.