

MATERIAL SAFETY
DATA SHEET

CHEMGUARD BLIZZARD

Revision Date: 1/26/2006

1. PRODUCT IDENTIFICATION

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

Product name: Blizzard

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					25% - 40%
107-21-1	ethylene glycol	not established				25% -40%
proprietary mixture	proprietary hydrocarbon surfactant	N/A	N/A	N/A		proprietary
proprietary mixture	proprietary fluorosurfactant	N/A	N/A	N/A		proprietary

SARA Title III Reportable Components
107-21-1 ethylene glycol

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:	>155°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 -45° - 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 - 388°F
Melting Point:	-45°F to -50°F
Specific Gravity:	1.50 g/ml
Vapor Pressure (mm Hg):	N/A
pH	7.0 - 8.5
Flash Point (PMCC):	>155°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

DOT:	Proper Shipping Name:	Other Regulated Substances, Liquid, N.O.S.
	Hazard Class:	9
	ID Number:	UN3082
	Packing Group	III

15. REGULATORY INFORMATION

All ingredients are on the TSCA inventory.

This product contains approximately 30% ethylene glycol, which is reportable under SARA Title III for quantities over 5,000 lbs. This is equivalent to 1323 gallons of Blizzard.

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 2, 1/26/06

Revision date changed.

Modified to the 16 section format.