

MATERIAL SAFETY **DATA SHEET**

CHEMGUARD C2 or VEE FOAM

Revision Date: 5/28/2009

1. PRODUCT IDENTIFICATION

Chemical Family: Surfactant mixture; fire fighting foam concentrate

Product name: Chemguard C2

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 - 35%
112-34-5	diethylene glycol monobutyl ether				3% - 6%
107-21-1	ethylene glycol			C 100mg/m ³	12-17%

proprietary mixture of alkyl sulfates, ethoxylates
and solvents

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

	<u>Concentrate</u>	<u>Solution</u>
Flash Point:	no flash	no flash
Flammable Limits in air (lower % by volume):	not flammable	not flammable
Flammable Limits in air (upper % by volume):	not flammable	not flammable
Auto-ignition Temperature:	not flammable	not flammable

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 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:	28° - 38°F
Specific Gravity:	1.01 g/ml
Vapor Pressure (mm Hg):	N/A
pH	7.0 - 8.5
Flash Point (PMCC):	no flash
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

	<u>CONCENTRATE</u>	<u>SOLUTION AS USED</u>
Chemical Oxygen Demand:	919,430 mg/l	18,389 mg/l
Biological Oxygen Demand (20 day):	543,800 mg/l	10,876 mg/l
Biodegradability (B.O.D./C.O.D.):	59%	59%
Total Organic Carbon:	260,900 mg/l	5,218 mg/l
LC50 (96 hour pimephales promelas)	ND	ND
LC50 (48 hour, daphnia magna)	22 mg/l	1100 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

15. REGULATORY INFORMATION

All ingredients are on the TSCA inventory.
This product contains approximately 16% ethylene glycol which is reportable under SARA Title 3 sec.313, with a minimum R.Q. of 5,000 pounds.
No components are reportable under **CERCLA**.

16. OTHER INFORMATION

NFPA Hazard Ratings		HMIS Identification System
1	Health Hazard Rating	1
0	Flammability Rating	0
0	Instability/Reactivity Rating	0

Change Log:

Revision 2:	Section 5: Flash point changed to "no flash" based on new flash point data. Section 8: Flash point changed to "no flash" based on new flash point data. Section 16: Flammability Rating changed to 0 based on new flash point data.
Revision 3, 1/26/06	Revision date changed.
Revision 4, 8/15/08	LC50 Daphnia magna added
Revision 5, 5/28/09	STEL for Ethylene glycol updated