

CHEMGUARD Ecoguard

Revision Date: 6/2/2009

MATERIAL SAFETY DATA SHEET

Section 1. PRODUCT IDENTIFICATION

Product name(s): **Chemguard Ecoguard**
Surfactant mixture; fluorine-free fire-fighting foam concentrate

Manufacturer: Chemguard, Ltd.
204 South 6th Ave.
Mansfield, TX 76063
Emergency phone: 817-473-9964

Section 2. COMPOSITION / INFORMATION ON HAZARDOUS INGREDIENTS

<u>Common Name</u>	<u>CAS No.</u>	<u>Composition</u>
proprietary hydrocarbon surfactants	confidential	10-40%
polysaccharide gum	confidential	0-2%
propylene glycol t-butyl ether	57018-52-7	1-2%
water	7732-18-5	<50%

Does not contain PFOS or derivatives thereof.

Section 3. HAZARDS IDENTIFICATION

<u>HMIS RATING</u>		<u>NFPA RATING</u>	
HEALTH:	1	HEALTH:	1
FLAMMABILITY:	0	FLAMMABILITY:	0
REACTIVITY:	0	REACTIVITY:	0

For additional information on toxicity, please refer to Section 11.

Section 4. FIRST AID MEASURES

ORAL EXPOSURE

If swallowed, wash out mouth with water provided person is conscious. Call a physician.

INHALATION EXPOSURE

Avoid product vapor, spray and mist. If inhaled, remove to fresh air. If breathing becomes difficult, call a physician.

DERMAL EXPOSURE

In case of contact, immediately wash skin with soap and copious amounts of water.

EYE EXPOSURE

In case of contact with eyes, flush with copious amounts of water for at least 15 minutes. Assure adequate flushing by separating the eyelids with fingers. Call a physician.

Section 5. FIRE FIGHTING MEASURES

FLASH POINT
>200°F (93°C)

AUTOIGNITION TEMP
N/A

FLAMMABILITY

N/A

Section 6. ACCIDENTAL RELEASE MEASURES

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.

Section 7. HANDLING AND STORAGE

Store in original container, or appropriate end-use device. Store at temperatures of 32°F to 120° F. Protect from freezing. If the product freezes, performance loss may occur.

Section 8. EXPOSURE CONTROLS / PPE

ENGINEERING CONTROLS

Safety shower and eye bath. Mechanical exhaust required.

PERSONAL PROTECTIVE EQUIPMENT

Eye Protection: Wear side-shield safety glasses.

Respiratory: Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN

Hand: Protective gloves.

Eye: Chemical safety goggles.

GENERAL HYGIENE MEASURES

Wash thoroughly after handling.

Section 9. PHYSICAL/CHEMICAL PROPERTIES

Appearance Physical State: Thick liquid.

Molecular Weight	N/A
pH	8.0-8.5
BP/BP Range	>212 °F (100°C)
MP/MP Range	15°F (9°C)
Freezing Point	15°F (9°C)
Vapor Pressure	N/A
Vapor Density	N/A
SG (Density)	1.12 (9.34 lbs/gal)
Odor Threshold	N/A
Volatile Percent	N/A
VOC Content	1-2%
Water Content	<50%
Evaporation Rate	N/A
Surface Tension	N/A
Decomposition Temp.	N/A
Flash Point	>200°F (93°C)
Explosion Limits	N/A
Flammability	N/A
Autoignition Temp	N/A
Refractive Index	N/A

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Solubility soluble in water

N/A = not available or not applicable

Section 10. STABILITY AND REACTIVITY

STABILITY

Stable: Stable.

Materials to Avoid: Strong oxidizing agents, water reactive metals.

HAZARDOUS DECOMPOSITION PRODUCTS

Hazardous Decomposition Products: Carbon monoxide and carbon dioxide, Oxides of sulfur.

HAZARDOUS POLYMERIZATION

Hazardous Polymerization: Will not occur.

Section 11. TOXICOLOGICAL INFORMATION

ROUTE OF EXPOSURE

Skin Contact: May cause skin irritation.

Skin Absorption: May be harmful if absorbed through the skin.

Eye Contact: May cause eye irritation.

Inhalation: Material may be irritating to mucous membranes and upper respiratory tract. May be harmful if inhaled.

Ingestion: May be harmful if swallowed.

SIGNS AND SYMPTOMS OF EXPOSURE

To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

TOXICITY DATA

Eye Irritation: (Rabbits) not evaluated

Skin Irritation: (Rabbits) not evaluated

Inhalation Toxicity: not evaluated

Sensitization: not evaluated

Teratology: not evaluated

Mutagenicity: not evaluated

Reproduction: not evaluated

Acute Oral Effects (Rats): not evaluated.

Section 12. ECOLOGICAL INFORMATION

Chemical Oxygen Demand	286.5 g/l
Biological Oxygen Demand (28 day)	188.6 g/l
Biodegradation	65.8 %
Total Organic Carbon	82.2 g/l
Toxicity, LC50, 48-hr (D. magna)	570 ppm
Toxicity, LC50, 96-hr (P. promelas)	104 ppm
Toxicity, LC50, 96-hr (C. variegatus)	67.4 ppm

Section 13. DISPOSAL CONSIDERATIONS

APPROPRIATE METHOD OF DISPOSAL OF SUBSTANCE OR PREPARATION

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. Contact a licensed professional waste disposal service to dispose of this material. Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber.

Section 14. TRANSPORT INFORMATION

DOT

Proper Shipping Name: None

Non-Hazardous for Transport: This substance is considered to be non-hazardous for transport.

IATA

Non-Hazardous for Air Transport: Non-hazardous for air transport.

Section 15. REGULATORY INFORMATION

All ingredients are on the TSCA inventory.

No components are reportable under CERCLA.
