

MATERIAL SAFETY DATA SHEET

Revision Date: 22/07/10

1. IDENTIFICATION OF MATERIAL AND SUPPLIER

Product name: Chemguard First Class

Use: "Class A" foam concentrate and wetting agent

Chemical Family: Surfactant mixture fire fighting foam concentrate

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

Australian Contact: Mercury Fire Safety
20 Weatherburn Way
O'Connor
Western Australia 6163
Postal Address:
PO Box 207
Melville Western Australia 6956
Telephone: +61 (08) 9331 8788
FAX: +61 (08) 9331 7977
Mobile : 0429 866 032 (Emergency contact 24/7s)
E-mail: enquire@mercfire.com.a

3. HAZARDS IDENTIFICATION

Not Classified as a Dangerous Good by the Criteria of the ADG Code

Potential Health Effects: May cause skin and eye irritation.
Routes of entry: Dermal, inhalation and ingestion
Carcinogenicity: Not a carcinogen.

2. COMPOSITION/INFORMATION ON INGREDIENTS

CAS NO.	Common Name	ACGIHIPPM		OSHAIPPM	
		TWA	STEL	PEL	% by wt
7732-18-5	Water				60-75 %
107-41-5	Hexylene glycol				3-7%

Proprietary mixture of alkyl sulphates, ethoxylates, amphoterics, solvents and corrosion inhibitors

4. FIRST AID MEASURES

Inhalation: Remove to fresh air.

Skin contact: Rinse with water. Wash with soap and water
Contaminated clothing should be washed before re-use
Eye contact: Rinse with water. Call a physician.
Ingestion: DO NOT induce vomiting. Call a physician.
Advice o physician: Treat symptomatically.

5. FIRE-FIGHTING MEASURES

Flash Point: >91C (Cleveland Open Cup)
Flammable Limits in air (lower % by volume): Not relevant
Flammable Limits in air (upper %by volume)- Not relevant
Auto-ignition Temperature: Not relevant

Fire Extinguishing Media: Water, Foam, Carbon Dioxide, Dry Chemical, Halon
Hazardous Combustion Products: Decomposition products may be toxic.
Wear self contained breathing apparatus.

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.

7. HANDLING AND STORAGE

Store in original container or appropriate end-use device.
Store at temperatures of 0-49°C
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 vapour respirator if needed.

Exposure limits to NOHSC:1003: Note Applicable

9. PHYSICAL AND CHEMICAL PROPERTIES

Boiling Point: 100°C
Melting Point: 4°C
Specific Gravity: 1.01 g/ml
Vapour Pressure (mm Hg): Not relevant
pH: 7.0 - 8.5
Flash Point: >92°C COC
Vapour Density (air = 1) Not relevant
Solubility in water: 100%
Appearance: Clear amber liquid

Odour: Slight solvent odour

10. STABILITY AND REACTIVITY

Stability: Stable
Incompatibility: Strong oxidizers
Hazardous Polymerization: Will not occur
Decomposition Products: Oxides of nitrogen, sulphur, carbon.

11. TOXICOLOGICAL INFORMATION

	CONCENTRATE	MIXED SOLUTION
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 body weight	>2020 mg/kg body weight
Acute Oral LD50	>5050 mg/kg body weight	>5050 mg/kg body weight
Inhalation Toxicity:	Not relevant	
Sensitization:	Not relevant	
Teratology:	Not relevant	
Mutagenicity:	Not relevant	
Reproduction:	Not relevant	

12. ECOLOGICAL INFORMATION

	CONCENTRATE	SOLUTION (AS USED 0,5%)
Chemical Oxygen Demand:	760,000 mg/l	3800mg/l
Biological Oxygen Demand (20 day):	417,000 mg/l	2085mg/l
Biodegradability (BOD/COD):	55%	55%
Total Organic Carbon:	Not relevant	Not relevant
LC50 (96 hour pimephales promelas)	Not relevant	Not relevant
LC50 (48 hour, daphnia magna)	Not relevant	Not relevant

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

NOT CLASSIFIED AS A DANGEROUS GOOD BY THE CRITERIA OF THE ADG7 CODE

UN Number: Not Applicable Hazchem Code: Not Applicable

15. REGULATORY INFORMATION

Hexylene glycol is classified as a health, physicochemical and/or ecotoxicological hazard, according to the National Occupational Health and Safety Commission (NOHSC) Approved Criteria for Classifying Hazardous Substances.

Not listed under the Standard for the Uniform Scheduling of Drugs and Poisons (SUSDP) established under the Therapeutic Goods Act (1989).

No components are reportable under SARA Title III, sec. 313 (USA)

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 (USA).

16. OTHER INFORMATION

NFPA Hazard Ratings

Health Hazard Rating	2	(May be harmful if swallowed or absorbed)
Flammability Rating	1	(Combustible if heated)
Reactivity Rating	0	(Note reactive when mixed with water)