MATERIAL SAFETY
DATA SHEET

Chemguard 3% Fluoroprotein

Revision Date: 3/22/2006

1. PRODUCT IDENTIFICATION
Chemical Family: Surfactant mixture; fire fighting foam concentrate

Fluoroprotein foam concentrate

Product name: Chemguard 3% Fluoroprotein

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

2. COMPOSITION / INFORMATION ON INGREDIENTS

<table>
<thead>
<tr>
<th>CAS NO.</th>
<th>Common Name</th>
<th>ACGIH/PPM</th>
<th>OSHA/PPM</th>
<th>Health</th>
</tr>
</thead>
<tbody>
<tr>
<td>100085-61-8</td>
<td>Hydrolised protein</td>
<td>N/A</td>
<td>N/A</td>
<td>balance to 100%</td>
</tr>
<tr>
<td>107-41-5</td>
<td>Hexylene glycol</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td>- -</td>
<td>Proprietary fluorosurfactants</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td>10034-99-8</td>
<td>Magnesium sulfate</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td>7782-63-0</td>
<td>Ferrous sulphate</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td>55965-84-9</td>
<td>Biocide</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
</tr>
</tbody>
</table>

3. HAZARDS IDENTIFICATION
May cause irritation to skin and eyes. Ingestion may cause nausea, vomiting and diarrhea.

Potential Health Effects: None known.

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 boiling
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 35°F - 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 (100°C)
Melting Point: 16°F (-9°C)
Specific Gravity: 1.14 - 1.16 g/ml
Vapor Pressure (mm Hg): N/A
pH 7.0 - 8.5
Flash Point (PMCC): no flash to boil
Vapor Density (air = 1) N/A
Solubility in water: 100%
Appearance: dark brown liquid
Odor: strong odor
10. STABILITY AND REACTIVITY

Stability: Stable
Incompatibility: Strong oxidizers
Hazardous Polymerization: Will not occur.
Decomposition Products: Oxides of nitrogen, sulfur, carbon.
Shelf life: 10 years

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): >2000 mg/kg

12. ECOLOGICAL INFORMATION

<table>
<thead>
<tr>
<th>CONCENTRATE</th>
<th>SOLUTION (AS USED)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Biodegradability (B.O.D./C.O.D.)</td>
<td>&gt;90% (OECD)</td>
</tr>
<tr>
<td>Total Organic Carbon:</td>
<td>N/A</td>
</tr>
<tr>
<td>LC50 (96 hour leosiscus)</td>
<td>1000 mg/l</td>
</tr>
</tbody>
</table>

Bioaccumulation: Not expected to bioaccumulate due to metabolism and excretion.

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

Risk phrases: R43 May cause sensitization by skin contact.
R36 / R38 Irritating to eyes and skin

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

<table>
<thead>
<tr>
<th>NFPA Hazard Ratings</th>
<th>HMIS Identification System</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 Health Hazard Rating</td>
<td>1</td>
</tr>
<tr>
<td>0 Flammability Rating</td>
<td>0</td>
</tr>
</tbody>
</table>
Change Log:

Revision 2, 1/26/06
- Revision date changed.
- Modified to 16 section format.

Revision 3, 2/10/06
- Revision date changed
- Health class symbols added in section 2.

Revision 4, 3/15/06
- Specific Gravity corrected.
- Revision Date changed.

Revision 5, 3/22/06
- Melting Point corrected
- Revision date changed.