1. PRODUCT IDENTIFICATION
Chemical Family: Surfactant mixture; fire fighting foam concentrate
Aqueous Film Forming Foam

Product name: Chemguard 3% AFFF C-303

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>% by wt</th>
</tr>
</thead>
<tbody>
<tr>
<td>7732-18-5</td>
<td>water</td>
<td>85% - 90%</td>
<td></td>
<td></td>
</tr>
<tr>
<td>57018-52-7</td>
<td>propylene glycol t-butyl ether</td>
<td>not established</td>
<td>2% - 4%</td>
<td></td>
</tr>
<tr>
<td>7487-88-9</td>
<td>magnesium sulfate</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td>proprietary mixture</td>
<td>proprietary hydrocarbon surfactant</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td>proprietary mixture</td>
<td>proprietary fluorosurfactant</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
</tr>
</tbody>
</table>

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: >150°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 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: 205° - 212°F
Melting Point: 30° F
Specific Gravity: 1.012 g/ml
Vapor Pressure (mm Hg): N/A
pH: 7.0 - 8.5
Flash Point (PMCC): >150°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
Teratogenicity: not evaluated
Mutagenicity: not evaluated
Reproduction: not evaluated
Acute Oral Effects (Rats): not evaluated

12. ECOLOGICAL INFORMATION

<table>
<thead>
<tr>
<th></th>
<th>CONCENTRATE</th>
<th>SOLUTION (AS USED)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Chemical Oxygen Demand:</td>
<td>210,000 mg/l</td>
<td>6,300 mg/l</td>
</tr>
<tr>
<td>Biological Oxygen Demand (20 day):</td>
<td>79,800 mg/l</td>
<td>2,394 mg/l</td>
</tr>
<tr>
<td>Biodegradability (B.O.D./C.O.D.)</td>
<td>38%</td>
<td>38%</td>
</tr>
<tr>
<td>Total Organic Carbon:</td>
<td>33,600 mg/l</td>
<td>1008 mg/l</td>
</tr>
<tr>
<td>LC50 (96 hour pimephales promelas)</td>
<td>233 ppm</td>
<td>7767 ppm</td>
</tr>
<tr>
<td>LC50 (48 hour, daphnia magna)</td>
<td>1110 ppm</td>
<td>37,000 ppm</td>
</tr>
</tbody>
</table>

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.
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</td>
<td>Health Hazard Rating</td>
</tr>
<tr>
<td>1</td>
<td>Flammability Rating</td>
</tr>
<tr>
<td>0</td>
<td>Instability/Reactivity Rating</td>
</tr>
</tbody>
</table>

CHANGE LOG: Page 3 of 4
Revision 2 - Revision date changed.