



## 6% AFFF Foam Concentrate

Chemguard 6% AFFF is a specially formulated, synthetic, aqueous film forming foam concentrate. A vapor suppressing aqueous film is formed by the foam solution draining from the expanded foam blanket. It is intended for use at a proportioning rate of 6% (6 parts AFFF concentrate to 94 parts water) on Class B hydrocarbon type fuels such as gasoline, kerosene, diesel, etc. Chemguard 6% AFFF is not intended for use on fuels, which are polar solvent/water miscible such as alcohols, ketones, esters, etc.

### FEATURES

- U.L. Listed, Foam Liquid Concentrates
- U.L. Canada Listed
- Performance to ICAO, Doc. #9137, Part 1, Chapter 8, Level "B" verified
- U.L. recommended application rate on hydrocarbon type fuel is .10/gpm ft<sup>2</sup>
- Suitable for use with either fresh or salt water
- Excellent wetting characteristics when used in combating Class "A" fuel fires
- Suitable for use with both air-aspirating foam and standard water fog nozzles
- Suitable for use with deluge or closed head foam water sprinkler systems
- If inadvertently frozen, thawing will render product completely serviceable again
- Suitable for use with carbon steel, fiberglass, polyethylene or stainless steel. Chemguard 6% AFFF is not compatible with galvanized pipe or fittings in an undiluted form.
- Suitable for use with dry chemical extinguishing agents

### PROPORTIONING

- Fixed or portable in-line eductor

- In-line balanced pressure and pump pressure proportioning skid
- Bladder tank balanced pressure proportioning system
- Around the pump proportioner
- Handline, air-aspirating nozzle with fixed eductor pickup tube

### DISCHARGE DEVICES

- Foam Chambers
- Air-aspirating and non air-aspirating sprinkler heads or spray nozzles
- Standard water fog nozzles for hand lines and monitors
- Air-aspirating foam nozzles
- Foam makers for use with either Floating Roof storage tanks or Dike/Bund protection systems
- High back pressure foam makers for sub-surface base injection system (hydrocarbon fuels)

### APPLICATIONS

- Crash Fire Rescue
- Storage Tanks(non-polar solvent fuels only)
- Truck/Rail loading or unloading facilities
- Processing/Storage Facilities
- Docks/Marine Tankers
- Flammable Liquid Containment Areas
- Mobile Equipment

### FOAM PROPERTIES

Aspirating type discharge devices typically generate expansion ratios between 6-10 to 1 when 6% AFFF is mixed with water at the correct ratio. Non-aspirating type devices will typically generate expansion ratios of between 2-4 to 1. Expansion ratios are dictated by the type of discharge device, flow rate and discharge pressure.

**CHEMGuard**  
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[www.chemguard.com](http://www.chemguard.com)

### **TYPICAL PROPERTIES AT 77°F (25°C)**

Appearance.....Clear Slightly Yellow  
Specific Gravity.....1.011  
pH.....7.5  
Viscosity.....1.2 cps

### **ENVIRONMENTAL IMPACT**

Chemguard 6% AFFF is biodegradable, low in toxicity and can be treated in sewage treatment plants. Please refer to Chemguard Technical Bulletin regarding foam products and the environment.

### **STORAGE**

If kept in the original unopened and airtight Chemguard supplied container and stored within the temperature range of 35°F-120°F (2°C - 49°C) a shelf life of between 20-25 years can be expected. When stored in other than the manufacturers supplied container, please check with Chemguard for storage guidelines.

### **ORDERING INFORMATION & WEIGHTS**

<b>Part No:</b>	<b>Container</b>	<b>Weights</b>
C603P	5-Gallon Pail / 19 Liters	45 lbs.
C603D	55-Gallon Drum / 208 Liters	495 lbs.
C603BD	330-Gallon Tote / 1249 Liters	3000 lbs.

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