



# 6% AFFF Low Temperature Foam Concentrate C6LT

Chemguard 6% LT-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 LT-AFFF concentrate to 97 parts water) on Class B hydrocarbon type fuels such as gasoline, kerosene, diesel, etc. Chemguard 6% LT-AFFF is not intended for use on fuels which are polar solvent/water miscible such as alcohols, ketones, esters, etc.

## FEATURES

- Suitable for use down to -20 degrees F
- 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 aspirating foam and standard water fog nozzles
- Suitable for use with deluge or closed head foam water sprinkler system
- If inadvertently frozen, thawing will render product completely serviceable again
- Suitable for use with carbon steel, fiberglass, polyethylene or stainless steel. Chemguard 6% LT-AFFF is not compatible with galvanized pipe or fittings in an undiluted form.
- Suitable for use with siliconized dry chemical extinguishing agents
- U. L. recommended application rate on hydrocarbon type fuels is .10/gpm ft<sup>2</sup>.

## PROPORTIONING

- Fixed or portable in-line eductors
- In-line balanced pressure and pump pressure proportioning skid

- Bladder tank balanced pressure proportioning systems
- Around the pump proportioners
- Handline, air-aspirating nozzles 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 handlines 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 type fuels only)

## 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

## FOAMING PROPERTIES

Aspirating type discharge devices typically generate expansion ratios between 6-10 to 1 when 6% LT-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 devices, flow rate and discharge pressure.

**CHEMGUARD**  
204 S. 6<sup>th</sup> Ave • Mansfield, Tx 76063 • (817) 473-9964 • FAX (817) 473-0606  
[www.chemguard.com](http://www.chemguard.com)

**TYPICAL PROPERTIES AT 77°F (25°C)**

Appearance.....Clear Slightly Yellow  
Specific Gravity.....1.13 g/ml  
pH.....7.7  
Viscosity.....6 cps

**ENVIRONMENTAL IMPACT**

Chemguard 6% LT-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 -20°F-120°F (-29°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 & WEIGHT**

Part No:	Container	Weight
C6LTP	5-Gallon Pail / 19 Liters	49 lbs.
C6LTD	55-Gallon Drum / 208 Liters	538 lbs.
C6LTBD	330-Gallon Tote / 1249 Liters	3280 lbs.