



Ultraguard 1%-3% AR-AFFF Foam Concentrate C134

Ultraguard 1%-3% AR-AFFF C134 is a specially formulated, free flowing, viscous, aqueous film forming foam concentrate. It forms a vapor suppressing aqueous film on hydrocarbon type fuels or a polymeric membrane on polar solvent/water miscible type fuels. Chemguard C134 is intended for use at a proportioning rate of 1% (1 part C134 to 99 parts water) on hydrocarbon fuels such as gasoline, kerosene, diesel, etc. On polar solvent fuels such as alcohols, ketones, esters, etc., C134 should be mixed at 3% (3 parts C134 to 97 parts water). Chemguard C134 is specifically formulated for Topside, Type II and Type III applications as well as sprinklers and other non-aspirated discharge devices. Ultraguard 1%-3% AR-AFFF has been formulated for superior performance on alcohol fires.

FEATURES

- U.L. listed, Foam Liquid Concentrates
- **UL Listed for use on alcohol fires at a rate of 0.10 gpm/ft², which is the lowest application rate allowed by NFPA and UL**
- Sprinklers
- Suitable for use with fresh or salt water
- Excellent wetting characteristics when used in combating Class "A" fuel type fires
- Suitable with fiberglass, polyethylene or stainless steel. C134 is not compatible with galvanized pipe or fittings in an undiluted form.
- Suitable for use on hydrocarbon or polar solvent fuels
- Suitable for use with both air aspirating and standard water fog nozzles

PROPORTIONING

- Fixed or portable in-line eductors
- In-line balanced pressure proportioning system
- Around the pump proportioners
- Handline, air-aspirating nozzles with fixed eductor pickup tube

DISCHARGE DEVICES

- Foam Chambers
- 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.
- Sprinklers

FOAMING PROPERTIES

Aspirating type discharge devices typically generate expansion ratios between 6-10 to 1 when 3% AR-AFFF is mixed with water at the correct ratio. Non-aspirating type devices will typically generate expansion ratios of 2-4 to 1. Expansion ratios are dictated by the type of discharge device, flow rate and discharge pressure.

TYPICAL PROPERTIES AT 77°F (25°C)

Appearance.....off white gel-like liquid
 Specific gravity.....1.025 g/ml
 pH.....7.7
 Viscosity.....3000 cps

DESIGN INFORMATION

Cannot be used in sub-surface applications with polar solvent type fuels.

APPLICATION RATES

Recommended application rate on hydrocarbon type fuels is 0.10 gpm/ft². On the following specific polar solvent type fuels these are the recommended minimum application rates.

IPA	0.10 gm/ft ²
METHANOL	0.10 gm/ft ²
ETHANOL	0.10 gm/ft ²
METHYL ETHYL KEYTONE	0.10 gm/ft ²
ETHYL ACETATE	0.10 gm/ft ²
ACETONE	0.12 gm/ft ²
MTBE	0.13 gm/ft ²

CHEM GUARD

204 S. 6th Ave • Mansfield, Tx 76063 • (817) 473-9964 • FAX (817) 473-0606

www.chemguard.com

ENVIRONMENTAL IMPACT

Chemguard 1%-3% AR-AFFF C134 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 to 120°F, a shelf life of between 20-25 years can be expected. If the C134 is to be stored in an atmospheric type foam concentrate storage tank whether on mobile apparatus or stationary, limit the airspace above the surface of the concentrate wherever possible and place a thin layer of quality mineral oil on the surface of the foam concentrate to minimize any effect from evaporation.

ORDERING INFORMATION & WEIGHT

Part No:	Container	Weight
C134P	5-Gallon Pail / 19 Liters	45 lbs.
C134D	55-Gallon Drum / 208 Liters	494 lbs.
C134BD	330-Gallon Tote / 1249 Liters	3020 lbs

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