

EXTREME CAFS Foam Concentrate

Description

CHEMGUARD® EXTREME CAFS Foam Concentrate is the first and only foam concentrate designed specifically for Compressed Air Foam Systems (CAFS). EXTREME CAFS Foam Concentrate is a non-corrosive, non-toxic, and biodegradable Class A foam concentrate. When mixed with water in the correct proportion, it changes the properties of water. It reduces the surface tension of the water, and produces foam, which allows the water to cling to vertical or horizontal surfaces without run off. This allows the water to absorb more heat and provides greater penetration into Class A fuels.

Table 1: Typical properties at 77 °F (25 °C)

Appearance:	Pale amber liquid
Specific gravity:	1.010
Surface tension at 1% solution:	26.99 dyn/cm

Features

- Designed specifically for Compressed Air Foam Systems (C.A.F.S.).
- Excellent properties for exposure protection requiring thick CAFS foam blankets.
- Reduces water consumption by 3 to 5 times.
- For use with either fresh or salt water.
- Suitable with non-air-aspirating or aspirating handline nozzles.
- Suitable for use in Helicopter Bambi buckets.
- Suitable for use on rubber (tires), coal, paper, and many other types of Class A fuels.
- Suitable for use through medium-expansion nozzles on Class A or contained Class B flammable liquids.
- Suitable for use with high-expansion foam generators.
- Does not contain reportable components under SARA Title 111/Section 313.F/40 CFR-372 or CERCLA.
- May be premixed for use as a foaming agent or for use as a wetting agent.



Application

Recommended dilution rates when used as a foam concentrate

- Compressed air foam system 0.1% to 1.0%
- Handline, air-aspirating nozzle 0.3% to 0.5%
- Handline, non-air-aspirating nozzle 0.3% to 0.6%
- Helicopter Bambi Bucket 0.5% to 0.7%

Note: The above rates vary depending on the quality of the foam blanket required.

Dilution rate when used as a wetting agent

- 0.3% to 1.0%

Proportioning when used as a foam concentrate

- Premixed tanks
- Balanced pressure pump systems
- Inline eductor
- Around-the-pump proportioners

Performance

NFPA 18 provides for performance testing on Class A and Class B fuels. EXTREME CAFS Foam Concentrate has been tested at 0.5% as a wetting agent.

Foaming properties

- Type of discharge device
- System operating pressure
- Amount of foam concentrate in the water

Performance (Continued)

Storage

If kept in the original, unopened, and airtight CHEMGUARD supplied container and stored within the temperature range of 32 °F to 120 °F (0 °C to 49 °C), a shelf life of 20 to 25 years can be expected. When stored in containers other than the manufacturer’s supplied container, check with CHEMGUARD for storage guidelines. If frozen during storage, thawing renders the product completely serviceable.

Note: It is not recommended to premix EXTREME CAFS Foam Concentrate with water for long-term storage.

Ordering information

Table 2: Ordering information

Part No.	Container	Weight
FXP	5 gal square (19 L)	45 lb
FXD	55 gal (208 L)	495 lb
FXBD	330 gal (1249 L)	3000 lb

Safety Data Sheets (SDS) are available at www.chemguard.com

Note: While NFF (also known as AR-SFFF) agents may be compatible with existing AFFF and/or NFF hardware, system contamination from fluorinated agents may exist if hardware and piping is not replaced upon conversion to non-fluorinated agents.

Note: The converted values in this document are provided for dimensional reference only and do not reflect an actual measurement.

CHEMGUARD, and the product names listed in this material are marks and/or registered marks. Unauthorized use is strictly prohibited.