



Synthetic Class A Foam Class A Plus

DESCRIPTION

Chemguard Class A Plus is a non-corrosive, non-toxic, biodegradable Class A Fire Fighting 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.

FEATURES

- Water treated with Chemguard Class A Plus Foam Concentrate is 3 to 5 times more effective on Class A Fires than untreated water.
- Water treated with Chemguard Class A Plus will wet Class A fuels up to 20 times more efficiently than untreated water.
- Can be used with either fresh or salt water.
- Can be used with non-air-aspirating or aspirating handline nozzles.
- Suitable for use with helicopter Bambi bucket.
- Suitable for use with Compressed Air Foam Systems (CAFS).
- 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
- Manufactured with materials that do not appear on any federal register under Sara Title III, Sec. 313 of the Federal Superfund and Emergency Planning Regulations

RECOMMENDED DILUTION RATES

- Helicopter Bambi Bucket .3% - .5%
- Handline, air-aspirating nozzle .3% - .5%
- Handline, non-air-aspirating nozzle .3% - .6%
- Compressed air foam system (CAFS) .1% - .3%

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

FOAMING PROPERTIES

The foaming property of Chemguard Class A Plus is dependent on many different factors. Which include:

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

PROPORTIONING

Chemguard Class A Plus foam concentrate is suitable for use with most conventional foam proportioning equipment. Which include:

- Hypro Corporation Proportioning Systems.
- Flow mix model 500 foam proportioner.
- Balanced pressure pump systems.
- In-line eductor.
- Around the pump proportioners.

PERFORMANCE STANDARDS

Currently there is no UL standard or approval process for Class A foam concentrates. Class A foam concentrates should be tested and evaluated in accordance with NFPA 298 Draft International Specification, Class A Foam for Wildland Fires, Aircraft or Ground Applications, and the U.S. Department of Agriculture Forest Service Interim Requirements for Foam for Wildland Fires, Aircraft or Ground Applications.

TYPICAL PROPERTIES AT 77°F (25°C)

Appearance	Pale Amber Liquid
Specific gravity	1.010
pH	7.5
Surface Tension @	.3% Solution 25.5 Dynes/cm .5% Solution 26.1 Dynes/cm .7% Solution 24.5 Dynes/cm 1.0% Solution 24.8 Dynes/cm
Viscosity	20 cps

STORAGE

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

Note: it is not recommended to pre-mix Class A Plus concentrate with water for long term storage.

ORDERING INFORMATION

Chemguard Class A Plus foam concentrate can be supplied in:

Part No. CA+P	5 Gal. Plastic Pail (19 l)
Part No. CA+D	55 Gal. Plastic Drum (208 l)

SHIPPING WEIGHT

5 Gal. Plastic Pail	44 lbs.
55 Gal. Plastic Drum	485 lbs.