



## First Class Class "A" Foam USDA Forest Approved

### DESCRIPTION

Chemguard First Class 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

- First Class "A" Foam Concentrate to achieve **full** approval to the U.S.D.A. Forest Service Specification 5100-307.
- Water treated with Chemguard First Class Foam Concentrate is 3 to 5 times more effective on Class A Fires than untreated water.
- Water treated with Chemguard First Class will wet Class A fuels up to 20 times more efficiently than untreated water.
- Can be used with either fresh or salt water
- Suitable with non-air-aspirating or aspirating handline nozzles
- Suitable for use with helicopter Bambi bucket, 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 APPLICATION RATES

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

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

### FOAMING PROPERTIES

The foaming property of First Class is dependent on many different factors:

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

## PROPORTIONING

Chemguard First Class foam concentrate is suitable for use with most conventional foam pro-portioning equipment.

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

## PERFORMANCE STANDARDS

The U.S.D.A. Forest Service has fully approved Chemguard First Class as meeting all the requirements of U.S.D.A. Forest Specification 5100-307. This standard tests the agent at dilution rates of 0.1% to 1.0% for use on class "A" fuels. First Class combines excellent wetting characteristics with great foam formation for superior effectiveness on class "A" fires. Use in ground trucks, CAFS Systems, helicopter and fixed wing aircraft with buckets, scupper, and tanks. Contains no hazardous material, safe for the environment.

## 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 First Class concentrate with water for long-term storage.

## ORDERING INFORMATION & WEIGHT

<u>Part Number</u>	<u>Container</u>	<u>Weight</u>
CA+SQ	5 Gal. Square Pail(19l)	45 lbs.
CA+P	5 Gal. Pail(19l)	45 lbs.
CA+D	55 Gal. Drum(208l)	495 lbs.
CA+BD	330 Gal. Tote(1249l)	3000 lbs.