

First Strike™ Class A Foam Concentrate (US-FCA)

Technical Data Sheet

US Foam Technologies, Inc.

DESCRIPTION

First Strike™ Class A Foam is a synthetic firefighting foam concentrate specifically designed for use in all Class A applications such as structural fires, forestry and wildland fires, landfill fires and tire fires. It is biodegradable, non-toxic and non-corrosive.

First Strike™ Class A Foam's special chemical formulation reduces the surface tension of water, greatly increasing the penetrating and wetting abilities of the water. This results in your water supply being up to five times more effective than untreated water.

RECOMMENDED APPLICATION

First Strike™ Class A Foam is intended for use on Class A fuels such as wood, paper, hay bales, tires, etc. It is not suitable for use on hydrocarbons or other Class B flammable liquids.

First Strike™ Class A Foam has been formulated for use at a 0.1% - 1.0% proportioning rate depending upon the application, equipment used and type of foam desired. Higher proportioning ratios may be used for exposure protection, fire breaks or fires requiring a foam blanket with a long drain time. Lower proportioning ratios may be used for direct firefighting operations, as well as mop-up operations.

Recommended Proportioning Rates

Structural Attack (Non-Air Aspirated Handline Nozzles):

- ❖ Initial Attack: 0.2% - 0.3%
- ❖ Exposure or Fuel Protection: 0.5% - 1.0%

Wildland Attack (Air Aspirated Handline Nozzles):

- ❖ Initial Attack: 0.2% - 0.3%
- ❖ Exposure or Fuel Protection: 0.5% - 1.0%

CAFS (Compressed Air Foam Systems):

- ❖ Initial Attack: 0.2% - 0.3%
- ❖ Exposure or Fuel Protection: 0.5% - 1.0%

Aerial Attack (Fixed/Rotary Wing Systems/Bambi Bucket):

- ❖ 0.3% - 0.6%

Note: These proportioning ratios are recommendations only. Rates may vary dependent upon the quality of foam blanket desired.

FEATURES

First Strike™ Class A Foam's superior foaming ability allows firefighters to protect exposures for extended periods or lay down fire breaks in wildland fire situations.

First Strike™ Class A Foam meets USDA Forest Service requirements per Specification 5100-307. This product meets NFPA 1150 requirements.

TYPICAL PHYSICAL PROPERTIES

Appearance:	Clear, Green Liquid
Specific Gravity @ 77°F (25°C):	1.011 ± 0.025
pH:	7.0 - 8.5
Viscosity @ 77°F (25°C):	9.5 ± 2 cP
Storage Temperature:	20° - 120°F (-6° - 49°C)
Freeze Point:	12°F (-11°C)
Shelf Life:	When properly stored in the original (or approved) sealed container and stored within the recommended temperature range, a shelf life in excess of 25 years can be expected.

ENVIRONMENTAL INFORMATION

First Strike™ Class A Foam concentrate undergoes a program of ongoing testing to assess the impact on the natural environment. U.S. Foam products are low in toxicity to tested aquatic organisms, and can be successfully treated in biological waste water treatment systems. Aquatic life is not adversely affected when First Strike™ Class A Foam is used and disposed of properly.

This product does not contain any components with reportable quantities under SARA Title III Section 313.

STORAGE

First Strike™ Class A Foam may be stored in its shipping container without change to its original physical or chemical characteristics. It does not show significant sedimentation or precipitation in storage or after temperature cycling. If frozen during storage, thawing will render the product completely functional with no effect on performance. The concentrate proportions satisfactorily in ordinary foam equipment at temperatures above 32°F.

ORDERING INFORMATION

First Strike™ Class A Foam is available in pails, drums or totes. In an effort to greatly reduce the cost of freight, US Foam also offers this product as a *Super Concentrate*. Our patented "Process of Manufacture" enables water to be added to the super concentrate after it reaches its destination, thereby reducing its shipping weight and cost.

Concentrate (Hydrated)

Part No.	Container	Shipping Weight
1000.005	5 gallon (19 L) pail	46 lbs (21 kg)
1000.055	55 gallon (208 L) drum	490 lbs (222 kg)
1000.275	275 gallon (1041 L) tote	2490 lbs (1130 kg)

Super Concentrate (Unhydrated)

Part No.	Container	Shipping Weight
1010.005	5 gallon (19 L) pail	25 lbs (12 kg)
1010.055	55 gallon (208 L) drum	255 lbs (116 kg)
1010.275	275 gallon (1041 L) tote	1320 lbs (600 kg)

The data contained herein is provided for general informational purposes only. US Foam Technologies, Inc. reserves the right to change any portion of this technical data sheet without notice.