

First Strike™ A/B “The Foam Solution” Concentrate (US-FC-FS)

Technical Data Sheet

US Foam Technologies, Inc.

DESCRIPTION

First Strike™ A/B “The Foam Solution” is a unique, versatile firefighting foam concentrate developed for protection of a wide range of Class A and Class B fuels.

Class B Hazards: First Strike™ A/B “The Foam Solution” is a synthetic, film-forming foam concentrate designed for use on non-polar, hydrocarbon fuels. When proportioned with water and applied with conventional foam or water/fog equipment, it provides excellent control and extinguishment of Class B fires by spreading a vapor-sealing film over the liquid fuel. This vapor seal inhibits reflash even when the foam blanket is ruptured, and also allows the product to be used to secure non-ignited spills.

Class A Combustibles: First Strike™ A/B “The Foam Solution” 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. Its superior foaming ability also allows firefighters to protect exposures for extended periods.

RECOMMENDED APPLICATION

Class B Hazards: First Strike™ A/B “The Foam Solution” is intended for use at a 3% proportioning rate (3 parts concentrate to 97 parts water) on Class B hydrocarbon fuels such as gasoline, diesel fuels, fuel oils, etc. It is not suitable for use on polar solvents or water-miscible fuels such as alcohols, acetone, ethers, etc.

Class A Combustibles: First Strike™ A/B “The Foam Solution” may be used at a 0.1% - 1.0% proportioning rate on Class A fuels such as wood, paper, hay bales, tires, etc. The application rate may vary dependent upon the quality of foam blanket desired

First Strike™ A/B “The Foam Solution” can be used with conventional foam equipment with fresh, sea or brackish water. Self-educing foam nozzles and foam nozzles with in-line eductors are among the most common types of hardware for application.

In addition to its use in aspirating foam equipment, First Strike™ A/B “The Foam Solution” can be dispensed effectively through non-aspirating equipment including fog nozzles, water spray devices and standard sprinklers. Additionally, it is also compatible with dry chemical fire fighting agents and may be applied to fires simultaneously.

TYPICAL PHYSICAL PROPERTIES

Appearance: Clear, Green Liquid
Specific Gravity @ 77°F (25°C): 1.012 ± 0.025
pH: 7.0 - 8.5
Viscosity @ 77°F (25°C): 5.0 ± 1 cP
Minimum Use Temperature: 35°F (2°C)
Storage Temperature: 35° - 120°F (2° - 49°C)
Freeze Point: 18°F (-8°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™ A/B “The Foam Solution” 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.

Aquatic life is not adversely affected when First Strike™ A/B “The Foam Solution” is used and disposed of properly. U.S. Foam products can be successfully treated in biological waste water treatment systems.

STORAGE

First Strike™ A/B “The Foam Solution” 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. Freeze/thaw cycling has no effect on performance, and the concentrate proportions satisfactorily in ordinary foam equipment at temperatures above 32°F.

Freeze/thaw cycling may cause slight stratification which may be overcome with moderate agitation. Premix solutions in fresh water may be stored long term for ready use at temperatures above freezing.

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

ORDERING INFORMATION

First Strike™ A/B “The Foam Solution” is available in pails, drums or totes.

<u>Part No.</u>	<u>Container</u>	<u>Shipping Weight</u>
1380.005	5 gallon (19 L) pail	46 lbs (21 kg)
1380.055	55 gallon (208 L) drum	490 lbs (222 kg)
1380.275	275 gallon (1041 L) tote	2490 lbs (1130 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.