

First Strike™ TF-1170 Training Foam Super Concentrate (US-TF-1170)

Technical Data Sheet

US Foam Technologies, Inc.

DESCRIPTION

First Strike™ TF-1170 Training Foam Super Concentrate is a highly concentrated synthetic blend of biodegradable foam agents, designed to simulate AFFF Class B foams and to allow for easy cleanup after a training session. When either one or two quarts of TF-1170 is mixed with water to make five gallons, the result is a 3% or 6% concentrate, which provides realistic foam appearance and performance for repeated training exercises.

One case (12 quarts) of First Strike™ TF-1170 Training Foam Super Concentrate will make either 30 gallons of 3% foam concentrate or 60 gallons of 6% foam concentrate, greatly reducing both freight costs and storage space needed. It has been specifically formulated to provide realistic training at a fraction of the cost of standard foam products. This gives firefighters "hands on" experience with proportioning equipment, and also allows personnel to check the reach and expansion ratios of foam nozzles.

WARNING! The Super Concentrate is not to be used as an actual fire fighting foam. It is designed only for use in closely supervised training evolutions.

MIXING PROCEDURES/PROPORTIONING

3% Concentrate: Fill a five gallon pail with 4.5 gallons of water. Pour two quarts of Super Concentrate into the pail and lightly agitate. The resulting concentrate is now ready for use, and can be educted at a 3% proportioning ratio. If the agent is used to make a premix solution, mix at the ratio of 3 parts concentrate to 97 parts water.

6% Concentrate: Fill a five gallon pail with 4.75 gallons of water. Pour one quart of Super Concentrate into the pail and lightly agitate. The resulting concentrate is now ready for use, and can be educted at a 6% proportioning ratio. If the agent is used to make a premix solution, mix at the ratio of 6 parts concentrate to 94 parts water.

Note: To prevent excessive foaming when mixing, always remember to add the super concentrate to the water, rather than water to the super concentrate.

FEATURES

First Strike™ TF-1170 Training Foam Super Concentrate offers the following advantages:

- ❖ Greatly Reduces Storage Requirements
- ❖ Dramatically Lowers Freight Costs
- ❖ Inexpensive to Use
- ❖ Real Foam Appearance
- ❖ Less Cleanup
- ❖ Environmentally Safe to Use
- ❖ No Fluorinated Surfactants
- ❖ More Training Sequences Per Day

TYPICAL PHYSICAL PROPERTIES

Appearance: Clear, Off-White Liquid
Specific Gravity @ 77°F (25°C): 1.012 ± 0.025
pH: 7.0 - 8.5
Viscosity @ 77°F (25°C): 22 ± 2 cP
Storage Temperature: 32° - 120°F (0° - 49°C)
Freeze Point: 10°F (-12°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™ TF-1170 Training Foam Super 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.

Aquatic life is not adversely affected when First Strike™ TF-1170 Training Foam Super Concentrate is used and disposed of properly. U.S. Foam products can be successfully treated in biological waste water treatment systems.

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

STORAGE

First Strike™ TF-1170 Training Foam Super Concentrate 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. TF-1170 can be mixed with water at temperatures above freezing, and the resulting concentrate proportions satisfactorily in ordinary foam equipment at temperatures above 32°F.

ORDERING INFORMATION

First Strike™ TF-1170 Training Foam Super Concentrate is available in quart bottles packed 12 per case.

Part No.	Container	Shipping Weight
1020.003	12x1 quart (0.95 L) bottles	27 lbs (13 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.