

First Strike™ C-MFFF Concentrate (US-FC-CMFFF)

Technical Data Sheet

US Foam Technologies, Inc.

DESCRIPTION

First Strike™ C-MFFF (Coal Mine Fire-Fighting Foam) is chemically unique and proprietary suppressant formula, specifically designed to fight high-intensity fires in coal mines. The chemical composition provides a very durable substance which will adhere to the fuel source and resist heat for long periods of time. It also provides the strength to apply high compression drivers to allow delivery to all of the cracks and crevices where many fires reside.

First Strike™ C-MFFF also greatly increases the penetrating and wetting characteristics of the present water, allowing for a greatly increased suppression. It is biodegradable, non-toxic and non-corrosive, nor harmful to the environment.

RECOMMENDED APPLICATION

First Strike™ C-MFFF has been developed for exclusive use in **SENTINEL™** self-contained firefighting systems. The recommended proportioning rate is 1% (1 part concentrate to 99 parts water).

Note: Proportioning ratio is recommendation only. Rates may vary dependent upon the quality of foam blanket desired.

FEATURES

First Strike™ C-MFFF meets MSHA requirements.

This product meets NFPA 11, 11A and 1150 requirements.

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):	9.0 ± 2 cP
Storage Temperature:	20° - 120°F (-6° - 49°C)
Freeze Point:	14°F (-10°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™ C-MFFF 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™ C-MFFF 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™ C-MFFF 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.

ORDERING INFORMATION

First Strike™ C-MFFF is available in a variety of packaging sizes, designed to best suit your needs for the type(s) of **SENTINEL™** systems in use.

<u>Part No.</u>	<u>Container</u>	<u>Shipping Weight</u>
1090.001	12x1 4 oz. (0.12 L) bottles	4 lbs (2 kg)
1090.003	12x1 quart (0.95 L) bottles	27 lbs (13 kg)
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)

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.