

**DATA SHEET
#AFC222**

**FIREPOWER 0.1-1%
Class A**

Description

FIREPOWER is a synthetic fire fighting foam concentrate specially formulated for Class A applications such as forestry and wildland fire control, structural fires, and tire and paper fires. The balanced chemical system in FIREPOWER reduces the surface tension of water to increase the penetrating power into burning Class A materials.

- Environmentally responsible formulation
- Economical - 0.1% to 1.0% proportioning rate depending on method of application.
- Flexible in Use - can be used through conventional water nozzles, air aspirating foam nozzles, compressed air systems or dropped from aircraft.
- Easily Premixed - with fresh, salt or brackish water.
- Reduced Storage Space - one 5 gallon drum will produce 500-5000 gallons of foam solution.
- Excellent Foamability - particularly with cold water, making FIREPOWER ideal for use in fixed wing aircraft and helicopter buckets.
- Long Shelf Life - exceptionally stable in long-term storage. A shelf-life in excess of 20 years may be expected if stored in accordance with Angus Fire recommended guidelines.

Environment

FIREPOWER can be successfully treated in biological waste water treatment systems.

Applications

FIREPOWER is highly versatile and can be used with a wide range of equipment for different methods of application. It is intended for use at 0.1% to 1.0% depending on the method of application:

1. Structural attack
 - Conventional nozzles.
 - 0.5 - 0.7% proportioning rate.
2. Wildland Ground attack
 - Air aspirating nozzle at 0.3% proportioning rate.
 - 0.1% rate for mop-up
3. Aircraft Aerial attack
 - Fixed or rotary wing delivery systems.
 - 0.3% proportioning rate.
4. CAF system
 - Compressed air foam system.
 - 0.1 - 0.5% proportioning rate.

(These proportioning rates are given for guidance only. Users may vary them based on operational experience with the different systems.)

Performance

FIREPOWER is produced to rigorous quality control standards to ensure consistent fire performance and excellent product reliability.

Approvals and Listings

- NFPA 18
- NFPA 1501
- NFPA 1145 (Structure)
- NFPA 1151/298

Compatibility

FIREPOWER is suitable for use in combination with soft or hard, fresh, brackish or sea water.

Typical Physical Properties

Appearance	Colorless liquid
Specific Gravity @ 77°F (25°C)	1.04
pH @ 77°F (25°C).....	8.2
Viscosity @ 77°F (25°C)	5 csks (5 mm ² /sec)
Maximum Usable Temperature	120°F (49°C)
Minimum Usable Temperature	35°F (2°C)
Freeze Point.....	12°F (-11°C)
Effect of Freeze/Thaw	No Performance Loss

Ordering Information

CONTAINER	SHIPPING WEIGHT	PART NUMBER
5-Gallon Pails		
(19 liters)	46 lb. (20.9 kg)	3170-0340-6
55-Gallon Drums		
(208 liters)	499 lb. (227 kg)	3170-0481-6
275-Gallon IBC Reusable Tote Tank		
(1041 liters)	2528 lb. (1149.0 kg)	3170-0725-6
Bulk	8.67 lb./gal (3.9 kg/l)	3170-0001-6

Palletizing of pails and drums is available upon request.

Shipping Cube

5-Gallon Pail.....	1.13 cu. ft. (0.032 cu. m.)
55-Gallon Drum	11.51 cu. ft. (0.326 cu. m.)
275-Gallon IBC Tote Tank	51.11 cu. ft. (1.061 cu. m.)

This information is only a general guideline. The company reserves the right to change any portion of this information without notice. Terms and conditions of sale apply and are available on request.

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