

## FIRE-BRAKE™ FB-CAF FOAM CONCENTRATE

# CONCENTRATES



### Description

FIRE-BRAKE™ FB-CAF foam concentrate from SOLBERG® is a synthetic firefighting foam concentrate specially designed to be used in compressed air foam systems for wildland, structural and other Class A fuel fires. FIRE-BRAKE FB-CAF foam concentrate has the ability to reduce the surface tension of water, which substantially increases water's overall wetting capability. This creates a faster penetration and greater fire control when attacking combustible Class A fuels. FIRE-BRAKE FB-CAF foam concentrate can be proportioned at the rate of 0.1 - 1% in fresh, sea and brackish water.

### Application

FIRE-BRAKE FB-CAF foam concentrate is designed and applied to Class A fires including wood, paper, coal, rubber, wildland and structure fires. FIRE-BRAKE FB-CAF foam concentrate is compatible with conventional firefighting equipment such as non-air aspirating and air aspirating foam nozzles, low, medium, and high expansion devices and Compressed Air Foam Systems

(CAFS). FIRE-BRAKE FB-CAF should not be mixed with other foam concentrates.

### Application Rates

Recommended application rates FIRE-BRAKE FB-CAF foam concentrate:

**Mop-up:** 0.25%

Suited for mop-up/overhaul, quickly penetrates Class A substrates

**Initial Suppression CAF:** 0.3%

Direct attack for structural firefighting

**Initial Suppression Non-CAF:** 0.5%

Penetrates tree canopies, draining to the forest floor layers and direct attack for structural firefighting

**Fire Brake:** 0.75%

Good for initial suppression or forming a barrier

**Protection:** 1.0%

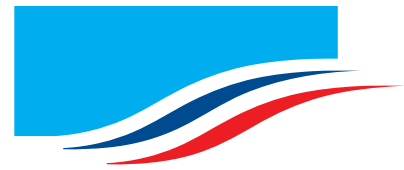
Adheres and insulates vertical surfaces

The minimum admixture rate on other Class A fuel types is 0.1%.

### Performance

**Fire Performance**

FIRE-BRAKE FB-CAF foam concentrate meets the performance



# SOLBERG

### Typical Physical Properties at 77 °F (25 °C)

|                       |   |
|-----------------------|---|
| Appearance:           | Clear, light yellow liquid                              |
| Freezing Point:       | 27 °F (-3 °C)<br><i>(No quality loss after thawing)</i> |
| Maximum storage temp: | 120 °F (49 °C)  |
| pH:                   | 7.0 - 8.5   |
| Refractive index:     | 1.3777 - 1.3832   |
| Specific gravity:     | 1.015 - 1.055   |
| Viscosity:            | <25 cSt*  |
| Sediments:            | <0.05%  |

\*Brookfield Viscometer, #1 at 60 rpm

requirements of National Fire Protection Association (NFPA) 1150 - Standard on Foam Chemicals for Fires in Class A Fuels (current edition).

### Foam Proportioning

FIRE-BRAKE FB-CAF foam concentrate can be proportioned using most proportioning equipment:

- Balanced pressure pump systems
- Compressed air foam systems
- Eductors (with metering orifice)

**SOLBERG is a member of PERIMETER SOLUTIONS, a global producer of leading fire retardant, gel and foam brands with a singular purpose: revolutionize the course of fire suppression technology with safer, more effective and more sustainable solutions. Together, we are Moving Industries Forward by Redefining Fire Suppression. [www.solbergfoam.com](http://www.solbergfoam.com)**



**Storage**

The storage temperature range for FIRE-BRAKE FB-CAF foam concentrate is 27 °F to 120 °F (-3 °C to 49 °C). When stored in original containers or in manufacturer recommended equipment and within the specified temperature range, the shelf life is 10 years or more.

**Compatibility**

FIRE-BRAKE FB-CAF foam concentrate should not be mixed with other foam concentrates. However, when the foam solution is applied to a fire the product can be mixed with other similar foam types. For questions about compatibility or mixing, consult Solberg Technical Services.

**Materials of Construction Compatibility**

FIRE-BRAKE FB-CAF foam concentrate is compatible with multiple materials of construction such as carbon steel, stainless steel, brass, polyethylene and PVC. Galvanized steel should not be used in direct contact with the foam concentrate. For questions about material compatibility, consult Solberg Technical Services.

**Inspection**

FIRE-BRAKE FB-CAF foam concentrate or pre-mix solutions should be inspected annually per National Fire Protection Association (NFPA) Standards 11 and 25.

A sample of the foam concentrate should be sent to the manufacturer for quality conditioning testing in accordance to NFPA 11.

**Environmental Information**

SOLBERG FIRE-BRAKE FB-CAF is biodegradable. When used and disposed of properly, this product does not adversely affect aquatic life. SOLBERG FIRE-BRAKE Class A foam concentrate does not contain any PFAS ingredients commonly found in Class B foam concentrates. Perimeter Solutions foam manufacturing process is intentionally separated between fluorinated and non-fluorinated concentrate types, thus eliminating the potential for cross contamination or residual contamination.

**Ordering Information**

FIRE-BRAKE FB-CAF foam concentrate is available in pails, drums, totes and bulk quantities.

| PART NO. | DESCRIPTION                                     | APPROXIMATE SHIPPING WEIGHT | APPROXIMATE CUBE                             |
|----------|---|-----------------------------|--|
| 80480    | FIRE-BRAKE FB-CAF, 5 gallon (20 litre) pail     | 45 lb (21 kg)               | 1.25 ft <sup>3</sup> (0.04 m <sup>3</sup> )  |
| 80481    | FIRE-BRAKE FB-CAF, 55 gallon (200 litre) drum   | 495 lb (224 kg)             | 11.83 ft <sup>3</sup> (0.33 m <sup>3</sup> ) |
| 80482    | FIRE-BRAKE FB-CAF, 265 gallon (1000 litre) tote | 2465 lb (1118 kg)           | 50.05 ft <sup>3</sup> (1.42 m <sup>3</sup> ) |
| 80483    | FIRE-BRAKE FB-CAF, bulk                         | Call Customer Services      |  |



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