

FIRE-BRAKE™ FOAM CONCENTRATE

CONCENTRATES



Description

FIRE-BRAKE™ foam concentrate from SOLBERG® is a synthetic firefighting foam concentrate specially designed to be used for wildland, structural and other Class A fuel fires. FIRE-BRAKE 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 foam concentrate can be proportioned at the rate of 0.1 - 1% in fresh, sea and brackish water.

Application

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

an admixture rate of 0.1% to 1.0% depending on use. FIRE-BRAKE should not be mixed with other foam concentrates.

Application Rates

Recommended application rates—
FIRE-BRAKE foam concentrate:

Mop-up: 0.25%

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

Initial Suppression: 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

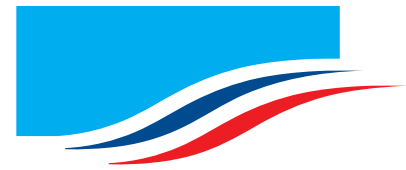
Protection: 1.0%

Adheres and insulates vertical surfaces
The minimum admixture rate on other Class A fuel types is 0.1%.

Performance

Fire Performance

FIRE-BRAKE foam concentrate has been tested to and meets the performance requirements of the U.S. Forest Service, Qualified Products List, Specification 5100-307a (as



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

Appearance:	Clear, light yellow liquid
Freezing Point:	27 °F (- 3 °C) <i>(No quality loss after thawing)</i>
Maximum storage temp:	120 °F (49 °C)
pH:	7.0 - 8.5
Refractive index:	1.3555 - 1.3595
Specific gravity:	1.000 - 1.040
Viscosity:	3.0 - 5.0 cSt*
Sediments:	<0.05%

*Cannon-Fenske Viscometer

amended) for the applications as determined during the product evaluation and shown on the QPL, and meets the requirements of National Fire Protection Association (NFPA) 1150—Standard on Foam Chemicals for Fires in Class A Fuels (current edition).

Foam Proportioning

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

- Balanced pressure pump systems
- Bladder tank systems
- CAFS
- 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



Storage

The storage temperature range for FIRE-BRAKE 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 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 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 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 is biodegradable. When used and disposed of properly, this product does not adversely affected aquatic

life. SOLBERG FIRE-BRAKE Class A foam concentrate does not contain any PFAS ingredients commonly found in fluorinated 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.

Certifications

FIRE-BRAKE Class A foam concentrate is Qualified Products Listed (QPL) by the U.S. Forest Service in accordance with Forest Service Specification 5100-307a.

Ordering Information

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

PART NO.	DESCRIPTION	APPROXIMATE SHIPPING WEIGHT	APPROXIMATE CUBE
20001	FIRE-BRAKE, 5 gallon (20 litre) pail	45 lb (21 kg)	1.25 ft ³ (0.04 m ³)
20002	FIRE-BRAKE, 55 gallon (200 litre) drum	495 lb (224 kg)	11.83 ft ³ (0.33 m ³)
20003	FIRE-BRAKE, 265 gallon (1000 litre) tote	2465 lb (1118 kg)	50.05 ft ³ (1.42 m ³)
20004	FIRE-BRAKE, bulk	Call Customer Services	



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