

SOLBERG® FIRE-BRAKE™ FOAM CONCENTRATE



TYPICAL PHYSICAL PROPERTIES

AT 77 °F (25 °C)

Appearance: Clear, light yellow liquid

Freezing Point: 27°F (-3°C)

(No quality loss after thawing)

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

APPLICATION

SOLBERG FIRE-BRAKE Class A foam concentrate is designed and applied to Class A fires including wood, paper, coal, rubber, wildland and structure fires. SOLBERG FIRE-BRAKE Class A 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— SOLBERG FIRE-BRAKE Class A 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%.



DESCRIPTION

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

PERFORMANCE

Fire Performance

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

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

- Balanced pressure pump systems
- Bladder tank systems
- CAFS
- Eductors (with metering orifice)

STORAGE

The storage temperature range for SOLBERG FIRE-BRAKE Class A 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

SOLBERG FIRE-BRAKE Class A foam concentrate should not be mixed with other foam concentrates. However, when the foam solution is applied to a fire the product

SOLBERG® FIRE-BRAKE™ CLASS A FOAM CONCENTRATE

can be mixed with other similar foam types. For questions about compatibility or mixing, consult Perimeter Solutions Technical Services.

Materials of Construction Capability

SOLBERG FIRE-BRAKE Class A 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 Perimeter Solutions Technical Services.

ENVIRONMENTAL INFORMATION

SOLBERG FIRE-BRAKE 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 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

SOLBERG 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

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

Part No.	Description	Approximate Shipping Weight	Approximate Cube
20001	SOLBERG FIRE-BRAKE Class A foam concentrate, 5 gallon (20 litre) pail	45 lb (21 kg)	1.25 ft ³ (0.04 m ³)
20002	SOLBERG FIRE-BRAKE Class A foam concentrate, 55 gallon (200 litre) drum	495 lb (224 kg)	11.83 ft ³ (0.33 m ³)
20003	SOLBERG FIRE-BRAKE Class A foam concentrate, 265 gallon (1000 litre) tote	2465 lb (1118 kg)	50.05 ft ³ (1.42 m ³)
20004	SOLBERG FIRE-BRAKE Class A foam concentrate, bulk	Call Customer Services	



Solutions That Save.

FOR MORE INFORMATION

Contact any of our worldwide Perimeter Solutions Fire Safety offices or visit:

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