

# 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 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 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 on wildland fires:

### Mop-up: 0.25%

Suited for mop-up, quickly penetrates forest floor layers

### Initial Suppression: 0.5%

Penetrates tree canopies, draining to the forest floor layers

### 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 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).

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

Appearance:	Clear, light yellow liquid
Freezing Point:	- 3° C (27° F) (No quality loss after thawing)
Maximum storage temp:	49° C (120° F)
pH:	7.0 - 8.5
Refractive index:	1.3555 - 1.3595
Specific gravity:	1.000 - 1.040
Viscosity:	3.0 - 5.0 cSt*
Sediments:	None

\*Cannon-Fenske Viscometer

## 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)

## Storage

The temperature range for FIRE-BRAKE foam concentrate is -3° C to 49° C (27° F to 120° F).

When stored in original containers or in manufacturer recommended equipment and within the specified temperature range, the shelf life is 10 years or more.



*Solberg is a global company that is a one-stop resource for firefighting foam concentrates and custom-designed foam suppression systems hardware, offering both traditional and innovative firefighting foam technology. [www.solbergfoam.com](http://www.solbergfoam.com)*

**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, aquatic life is not adversely affected by this product.

**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, 20 litre (5 gallon) pail	21 kg (45 lb)	0.04 m <sup>3</sup> (1.25 ft <sup>3</sup> )
20002	FIRE-BRAKE, 200 litre (55 gallon) drum	224 kg (495 lb)	0.33 m <sup>3</sup> (11.83 ft <sup>3</sup> )
20003	FIRE-BRAKE, 1000 litre (265 gallon) tote	1118 kg (2465 lb)	1.42 m <sup>3</sup> (50.05 ft <sup>3</sup> )
20004	FIRE-BRAKE, bulk	Call Customer Services	

DISTRIBUTOR:



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