

ARCTIC™ 650, 3% AFFF FOAM CONCENTRATE

CONCENTRATES



Description

ARCTIC™ 650, 3% AFFF foam concentrate from SOLBERG® is a synthetic foam concentrate used to effectively extinguish Class B hydrocarbon fuel fires at 3% solution. ARCTIC 650, 3% AFFF foam concentrate provides rapid extinguishment and excellent burn back characteristics and can be used with fresh, sea and brackish water.

Application

ARCTIC 650, 3% AFFF foam concentrate can be applied to Class B hydrocarbon fuel fires. It is not intended for use on Class B polar solvent fuels. The foam concentrate can be used to prevent re-ignition of a liquid spill and control hazardous odors. Foam discharge devices such as non-air aspirating, as well as, air aspirating equipment, including standard fire sprinkler heads, can be used to obtain maximum results. The product is mixed 3 parts foam concentrate to 97 parts water. It may also be used as a 3% pre-mix solution. ARCTIC 650, 3% AFFF foam concentrate is compatible with most powder (dry chemical) agents.

Performance

Fire Performance

ARCTIC 650, 3% AFFF foam concentrate has been tested to and meets the fire performance test criteria of European Standard EN 1568, Part 3 (latest edition).

Foam Proportioning

ARCTIC 650, 3% AFFF foam concentrate can be proportioned at the proper foam solution percentage using most common proportioning devices such as:

- Eductors
- Inline balance pressure proportioners
- Ratio controllers
- Self-inducting nozzles

Storage

The minimum and maximum temperature for ARCTIC 650, 3% AFFF foam concentrate is 35° F to 120° F (1.7° C to 49° C).

When stored in original containers or in manufacturer recommended equipment and within the specified temperature range, the shelf life is 20 years.

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

Appearance:	Clear, light yellow liquid
Freezing Point:	28.4° F (-2° C) (No quality loss after thawing)
Maximum storage temp:	120° F (49° C)
pH:	7.0 - 8.0
Refractive index:	1.3439
Specific gravity:	1.02
Viscosity:	1.8 cSt
Sediments:	None

Compatibility

ARCTIC 650, 3% AFFF foam concentrate should not be mixed with other foam concentrates. For questions about compatibility or mixing of foam concentrates, consult Solberg Technical Services.

Materials of

Construction Compatibility

ARCTIC 650, 3% AFFF 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.

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



Inspection

ARCTIC 650, 3% AFFF 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

ARCTIC 650, 3% AFFF foam concentrate complies with the United States Environmental Protection Agency (USEPA) Stewardship Program—2015 Requirements.

Approvals & Listings

SOLBERG manufactured products are thoroughly inspected and undergo rigorous quality control tests. These evaluations analyze

the foam’s physical parameters and finished product’s fire performance. A Certificate of Analysis (CoA) is issued with every batch.

ARCTIC 650, 3% AFFF foam concentrate meets the fire performance requirements of European CEN EN 1568, Part 3 Standard as witnessed by DET NORSKE VERITAS (DNV).

Ordering Information

ARCTIC 650 3% AFFF foam concentrate is available in pails, drums, totes and bulk quantities.

DESCRIPTION	APPROXIMATE WEIGHT SHIPPING	APPROXIMATE CUBE
ARCTIC 650, 3% AFFF, 5 gallon (20 litre) pail	45 lb (21 kg)	1.25 ft ³ (0.04 m ³)
ARCTIC 650, 3% AFFF, 55 gallon (200 litre) drum	495 lb (224 kg)	11.83 ft ³ (0.33 m ³)
ARCTIC 650, 3% AFFF, 275 gallon (1000 litre) tote	2465 lb (1118 kg)	50.05 ft ³ (1.42 m ³)
ARCTIC 650, 3% AFFF, bulk	Call Customer Services	

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FORM NUMBER F-2012032-1

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