

ARCTIC™ 3X6% ATC™ FOAM CONCENTRATE

CONCENTRATES



Description

ARCTIC™ 3X6 ATC foam concentrate from SOLBERG® is a synthetic alcohol-resistant foam concentrate used to effectively extinguish Class B hydrocarbon fuel fires at 3% and polar solvent fuel fires at 6% solution. ARCTIC 3X6 ATC foam concentrate provides rapid extinguishment and excellent burn back characteristics and can be used with fresh, sea and brackish water.

Application

ARCTIC 3X6 ATC foam concentrate can be applied to either Class B hydrocarbon or polar solvent fuel fires. The product is mixed 3 parts foam concentrate to 97 parts water for hydrocarbon fuels or 6 parts foam concentrates to 94 parts water for polar solvent fuels. The foam concentrate can be used to prevent re-ignition of a liquid spill and control hazardous vapors. Foam non-air aspirating, as well as air aspirating equipment, including standard fire sprinkler heads, can be used to obtain maximum results.

ARCTIC 3X6 ATC foam is compatible with most powder (dry chemical) agents.

Performance

Fire Performance

ARCTIC 3X6 ATC foam concentrate has been tested to and meets the fire performance test criteria of International Maritime Organization (IMO) MSC.1/Circ.1312 (latest edition).

Foam Proportioning

ARCTIC 3X6 ATC 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 storage temperature range for ARCTIC 3X6 ATC foam concentrate is 35° F to 120° F (2° 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:	35° F (2° C) (No quality loss after thawing)
Maximum storage temp:	120° F (49° C)
pH:	7.0 - 8.5
Refractive index:	1.3505 - 1.3605
Specific gravity:	1.020 - 1.035
Viscosity:	1600 - 2100 cP*
Sediments:	None

*Brookfield Viscometer Spindle #4, Speed 30 rpm

Compatibility

ARCTIC 3X6 ATC 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 3X6 ATC 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 3X6 ATC 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 3X6 ATC foam concentrate complies with the United States Environmental Protection Agency (USEPA) Stewardship Program—2015 Requirements.

Certifications

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 3X6 ATC foam concentrate is International Maritime Organization (IMO) MSC.1/Circ.1312 Approved.

Ordering Information

ARCTIC 3x6% ATC foam concentrate is available in pails, drums, totes and bulk quantities.

PART NO.	DESCRIPTION	APPROXIMATE SHIPPING WEIGHT	APPROXIMATE CUBE
20235	ARCTIC 3X6 ATC, 5 gallon (20 litre) pail	45 lb (21 kg)	1.25 ft ³ (0.04 m ³)
20236	ARCTIC 3X6 ATC, 55 gallon (200 litre) drum	495 lb (224 kg)	11.83 ft ³ (0.33 m ³)
20237	ARCTIC 3X6 ATC, 275 gallon (1000 litre) tote	2465 lb (1118 kg)	50.05 ft ³ (1.42 m ³)
20238	ARCTIC 3X6 ATC, bulk	Call Customer Services	