



BULLETIN #1000-2

TECHNICAL BULLETIN

ARCTIC™ Foam Concentrates – Lifetime & Storage

Lifetime and storage of ARCTIC™ AFFF and ATC™ foam concentrates

ARCTIC AFFF and ATC (AR-AFFF) foam concentrates are synthetic firefighting foams with excellent stability and storage life. Warranty for the foam concentrate is 1 year in original containers or in approved storage tanks, with recommended storage temperatures between the product's lowest-use temperature and 122 °F (50 °C).

Storage and Stability

ARCTIC foam concentrates may be stored in their shipping containers without change in their original physical or chemical characteristics. Freezing and thawing have no adverse effect on product performance, though

slight stratification may result, in which case moderate agitation before use is advised.

Long-term thermal aging of the concentrates at 149 °F (65 °C) has shown no adverse effect in performance. Therefore, a shelf life of at least 25 years for AFFF and 20 years for ATC could be expected when stored in suitable containers. Storage of *premixes* is not recommended for periods beyond 5 years for AFFF and 2 years for ATC.

Agent Testing

As recommended by NFPA 11 A-6-1. 1-5, foam concentrates and premix quality should be assessed annually. Assessment includes tests to determine expansion, solution strength, 25% drain time, and film forming ability.

Water Quality

ARCTIC foam concentrates are designed for use with fresh water or sea water. No problem has been encountered using brackish water or water containing a high concentration of minerals or organics.

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.
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