

# ARCTIC™ 1x3% ATC™ FOAM CONCENTRATE

# CONCENTRATES



## Description

ARCTIC™ 1x3 ATC™ foam concentrate from SOLBERG® is a synthetic, alcohol-resistant foam concentrate used to effectively extinguish Class B hydrocarbon fuel fires at 1% and polar solvent fuel fires at 3%. ARCTIC 1x3 ATC foam provides rapid extinguishment and excellent burn back characteristics and can be proportioned at 1% or 3% solution in fresh, salt and brackish water.

## Application

ARCTIC 1x3 ATC foam concentrate can be applied to either Class B hydrocarbon or polar solvent fuel fires. The product is mixed 1 part foam concentrate to 99 parts water for hydrocarbon fuels or 3 parts foam concentrate to 97 parts water for polar solvent fuels. It may also be used as either a 1% or 3% pre-mix solution. 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 can be used to obtain

maximum results. ARCTIC 1x3 ATC foam concentrate is compatible with most powder (dry chemical) agents.

## Performance

### Fire Performance

ARCTIC 1x3 ATC foam concentrate has been tested to and meets the fire performance test criteria of Underwriters Laboratories, Inc. (UL) Standard 162 (latest edition) and European Standard EN1568 Parts 3 & 4 (latest edition).

### Foam Proportioning

ARCTIC 1x3 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 temperature range for ARCTIC 1x3 ATC foam concentrate is 1.7° C to 49° C (35° F to 120° F).

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

Appearance:	White non-Newtonian liquid
Freezing Point:	-2.2° C (28° F) <i>(No quality loss after thawing)</i>
Maximum storage temp:	49° C (120° F)
pH:	7.0 - 8.5
Refractive index:	1.3632 - 1.3672
Specific gravity:	1.005 - 1.039
Viscosity:	3960 - 4960 cP*
Sediments:	None

\*Brookfield Viscometer Spindle #4, Speed 30 rpm

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

## Compatibility

ARCTIC 1x3 ATC foam concentrate should not be mixed with other foam concentrates. For questions about compatibility or mixing of foam concentrates, 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](http://www.solbergfoam.com)*

**Materials of**

**Construction Compatibility**

ARCTIC 1x3 ATC foam concentrate is compatible with multiple materials of construction like 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**

ARCTIC 1x3 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 1x3 ATC foam concentrate complies with the United States Environmental Protection Agency (USEPA) Stewardship Program—2015 Requirements.

Solberg manufactured products are thoroughly inspected and undergo rigorous quality control tests. These evaluations analyze the foam’s physical parameters and the finished product’s fire performance. A Certificate of Analysis (CoA) is issued with every batch.

**Certifications**

ARCTIC 1x3 ATC foam concentrate is Underwriters Laboratories, Inc. Listed in accordance with UL 162 (Standard for Safety for Foam Equipment and Liquid Concentrates), Approved to European Standard EN 1568 Parts 3 & 4, and meets the quality and performance test requirements of LASTFIRE.

**Ordering Information**

ARCTIC 1x3 ATC foam concentrate is available in pails, drums, totes and bulk quantities.

PART NO.	DESCRIPTION	APPROXIMATE SHIPPING WEIGHT	APPROXIMATE CUBE
20100	ARCTIC 1x3 ATC, 20 litre (5 gallon) pail	21 kg (45 lb)	0.04 m <sup>3</sup> (1.25 ft <sup>3</sup> )
20101	ARCTIC 1x3 ATC, 200 litre (55 gallon) drum	224 kg (495 lb)	0.33 m <sup>3</sup> (11.83 ft <sup>3</sup> )
20102	ARCTIC 1x3 ATC, 1000 litre (265 gallon) tote	1118 kg (2465 lb)	1.42 m <sup>3</sup> (50.05 ft <sup>3</sup> )
20103	ARCTIC 1x3 ATC, bulk	Call Customer Services	

DISTRIBUTOR:



**CONSILIUM INCENDIUM AB**

Rattgatan 21  
 SE-442 40 Kungälv  
 Sweden  
 Tel: +46 303 44 00 30  
 Web: www.incendiumfire.com  
 E-mail: info@incendiumfire.com

[SOLBERGFOAM.COM](http://SOLBERGFOAM.COM)

FORM NUMBER F-2011004-2\_EN

COPYRIGHT © 2014. ALL RIGHTS RESERVED.  
 SOLBERG® AND ARCTIC™ ARE TRADEMARKS  
 OF THE SOLBERG COMPANY OR ITS AFFILIATES.

**AMERICAS**  
 THE SOLBERG COMPANY  
 1520 Brookfield Avenue  
 Green Bay, WI 54313  
 USA

**EMEA**  
 SOLBERG SCANDINAVIAN AS  
 Radøyvegen 721 - Olsvollstranda  
 N-5938 Sæbøvågen  
 Norway

**ASIA-PACIFIC**  
 SOLBERG ASIA PACIFIC PTY LTD  
 3 Charles Street  
 St Marys NSW 2760  
 Australia