

ARCTIC™ 3x3% ATC™ FOAM CONCENTRATE

# CONCENTRATES



## Description

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

## Application

ARCTIC 3x3 ATC foam concentrate can be applied to either Class B hydrocarbon or polar solvent<sup>††</sup> fuel fires. The product is mixed 3 parts foam concentrate to 97 parts water. It may also be used as a 3% pre-mix solution. The foam can be used to prevent re-ignition of a liquid spill and control hazardous vapors. Foam discharge devices such as air aspirating, as well as, non-air aspirating equipment including standard fire sprinkler heads, can be used to obtain maximum results. ARCTIC 3x3 ATC foam is compatible with most powder (dry chemical) agents.<sup>†</sup>

## Performance

### Fire Performance

ARCTIC 3x3 ATC foam concentrate has been tested to and meets the fire performance test criteria of Underwriters Laboratories, Inc. (UL) Listed – Standard 162 Underwriters' Laboratories of Canada (ULC) Standard S564 and FM Approval Standard 5130.

### Foam Proportioning

ARCTIC 3x3 ATC foam concentrate can be proportioned at the proper foam solution percentage using most common proportioning devices<sup>††</sup> such as:

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

### Storage

The storage temperature range for ARCTIC 3x3 ATC 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:           | Light yellow non-newtonian liquid                  |
| Freezing Point:       | 28 °F (-2.2 °C)<br>(No quality loss after thawing) |
| Maximum storage temp: | 120 °F (49 °C)                                     |
| pH:                   | 7.0 - 8.5  |
| Refractive index:     | 1.3545 - 1.3595                                    |
| Specific gravity:     | 1.000 - 1.040                                      |
| Viscosity:            | 2400 - 3400 cP*                                    |
| Sediments:            | <0.05%   |

\*Brookfield Viscometer Spindle #4, Speed 30 rpm

## Compatibility

ARCTIC 3x3 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 3x3 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.

*Solberg is a member of THE AMEREX GROUP, an alliance of independent companies 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. [www.solbergfoam.com](http://www.solbergfoam.com)*



For questions about material compatibility, consult Solberg Technical Services.

#### **Inspection**

ARCTIC 3x3 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 3x3 ATC foam concentrate is formulated with C<sub>6</sub> fluorosurfactants

and complies with the United States Environmental Protection Agency (USEPA) 2010 / 2015 PFOA Product Stewardship Program. SOLBERG ARCTIC foam concentrates do not contain PFOS.

#### **Certifications**

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.

ARCTIC 3x3 ATC foam concentrate is Underwriters Laboratories, Inc. Listed in accordance with UL 162 (Standard for Safety for Foam Equipment and Liquid Concentrates), Underwriters' Laboratories of Canada Listed (Standard for Category 1 and 2 Foam Liquid Concentrates ULC S564) and FM Approved per Approval Standard 5130.

#### **Ordering Information**

ARCTIC 3x3 ATC foam concentrate is available in pails, drums, totes and bulk quantities.

† Not an FM Approved Configuration

†† See FM Approval Guide

| <b>PART NO.</b> | <b>DESCRIPTION</b>                           | <b>APPROXIMATE SHIPPING WEIGHT</b> | <b>APPROXIMATE CUBE</b>                      |
|-----------------|--|------------------------------------|--|
| 20080           | ARCTIC 3x3 ATC, 5 gallon (20 litre) pail     | 45 lb (21 kg)                      | 1.25 ft <sup>3</sup> (0.04 m <sup>3</sup> )  |
| 20081           | ARCTIC 3x3 ATC, 55 gallon (200 litre) drum   | 495 lb (224 kg)                    | 11.83 ft <sup>3</sup> (0.33 m <sup>3</sup> ) |
| 20082           | ARCTIC 3x3 ATC, 265 gallon (1000 litre) tote | 2465 lb (1118 kg)                  | 50.05 ft <sup>3</sup> (1.42 m <sup>3</sup> ) |
| 20083           | ARCTIC 3x3 ATC, bulk                         | Call Customer Services             |  |

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