

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 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)<br>(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 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. [www.solbergfoam.com](http://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 <sup>3</sup> (0.04 m <sup>3</sup> )  |
| 20236    | ARCTIC 3X6 ATC, 55 gallon (200 litre) drum   | 495 lb (224 kg)             | 11.83 ft <sup>3</sup> (0.33 m <sup>3</sup> ) |
| 20237    | ARCTIC 3X6 ATC, 275 gallon (1000 litre) tote | 2465 lb (1118 kg)           | 50.05 ft <sup>3</sup> (1.42 m <sup>3</sup> ) |
| 20238    | ARCTIC 3X6 ATC, bulk                         | Call Customer Services      |  |



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**AMERICAS**  
PERIMETER SOLUTIONS, LP  
1520 Brookfield Avenue  
Green Bay, WI 54313  
USA  
Tel: +1 920 593 9445

**EMEA**  
PERIMETER SOLUTIONS, LP  
Polígono de Baiña, Parcela 23  
33682 Mieres (Asturias)  
Spain  
Tel: +34 985 24 29 45

**ASIA PACIFIC**  
PERIMETER SOLUTIONS, LP  
3 Charles Street  
St. Marys NSW 2760  
Australia  
Tel: +61 2 9673 5300