

## ARCTIC™ 1X1% LOW VISCOSITY ATC™ FOAM CONCENTRATE

# CONCENTRATES



### Description

ARCTIC™ 1X1 LV ATC foam concentrate from SOLBERG® is a synthetic, alcohol-resistant and freeze protected foam concentrate used to effectively extinguish Class B hydrocarbon and polar solvent fuel fires at 1% solution. ARCTIC 1X1 LV ATC foam concentrate provides rapid extinguishment and excellent burn back characteristics and can be used with fresh, sea and brackish water.

### Application

ARCTIC 1X1 LV 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. It may also be used as a 1% pre-mix solution. 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 1X1 LV ATC foam concentrate is compatible with most powder (dry chemical) agents.

### Performance

#### Fire Performance

ARCTIC 1X1 LV ATC foam concentrate has been tested to and meets the fire performance test criteria of European Standard EN1568 Parts 3 & 4 (latest edition).

#### Foam Proportioning

ARCTIC 1X1 LV 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 minimum and maximum temperature for ARCTIC 1x1 LV ATC foam concentrate is -15° C to 49° C (5° F to 120° F).

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

Appearance:	Brown, Newtonian liquid
Freezing Point:	-15° C (5° F) (No quality loss after thawing)
Maximum storage temp:	49° C (120° F)
pH:	7.5
Refractive index:	1.4070
Specific gravity:	1.16
Viscosity:	20 cSt
Sediments:	None

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

### Compatibility

ARCTIC 1X1 LV 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 1X1 LV 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.

**Inspection**

ARCTIC 1X1 LV 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 1X1 LV ATC foam concentrate complies with the United States Environmental Protection Agency (USEPA) Stewardship Program—2015 Requirements.

**Approvals & Listings**

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 1X1 LV ATC foam concentrate has been tested to and meets the fire performane test criteria of European Standard EN1568 Parts 3 and 4.

**Ordering Information**

ARCTIC 1x1 LV ATC foam concentrate is available in pails, drums, totes and bulk quantities.

PART NO.	DESCRIPTION	APPROXIMATE SHIPPING WEIGHT	APPROXIMATE CUBE
20070	ARCTIC 1X1 LV ATC, 20 litre (5 gallon) pail	21 kg (45 lb)	0.04 m <sup>3</sup> (1.25 ft <sup>3</sup> )
20071	ARCTIC 1X1 LV ATC, 200 litre (55 gallon) drum	224 kg (495 lb)	0.33 m <sup>3</sup> (11.83 ft <sup>3</sup> )
20072	ARCTIC 1X1 LV ATC, 1000 litre (275 gallon) tote	1118 kg (2465 lb)	1.42 m <sup>3</sup> (50.05 ft <sup>3</sup> )
20073	ARCTIC 1X1 LV ATC, bulk	Call Customer Services	