



STORMALERT™ RF 3% x 6% ATC SYNTHETIC FOAM CONCENTRATE

Description

STORMALERT™ RF 3% x 6% ATC foam concentrate is an innovative environmentally sustainable fluorosurfactant and fluoropolymer-free foam concentrate used to effectively extinguish Class B hydrocarbon fuel fires at 3% and polar solvent fuel fires at 6% solution. STORMALERT™ RF 3% x 6% ATC foam concentrate foam can be used in fresh, salt or brackish water. STORMALERT™ RF 3% x 6% ATC foam concentrate possesses excellent burn back resistance due to its remarkable flow and rapid resealing characteristics. STORMALERT™ RF 3% x 6% ATC foam concentrates are formulated using a new high performance synthetic foam technology to replace traditional AFFF, FFFP foam concentrates and older protein and fluoroprotein foams.

Application

STORMALERT™ RF 3% x 6% ATC foam concentrate is intended for use on Class B hydrocarbon or polar solvent fires. The foam can be used to prevent re-ignition of a liquid spill and control hazardous vapours. On Class A fuels, STORMALERT™ RF 3% x 6% ATC foam concentrate will improve extinguishment in deep-seated fires. Foam discharge devices such as non-air aspirating, as well as, air aspirating equipment, including standard sprinkler heads, can be used to obtain maximum results.

The product is mixed 3 parts foam concentrate to 97 parts water for hydrocarbon fuels or 6 parts foam concentrate to 94 parts water for polar solvent fuels. It may also be used as a pre-mix solution. STORMALERT™ RF 3% x 6% ATC foam concentrate is compatible with most dry powder (chemical) agents.

Proven Performance

Fire Performance

STORMALERT™ RF 3% x 6% ATC foam concentrate has been tested to and meets the fire performance test criteria of European Standard EN 1568 Part 3 & 4 and International Civil Aviation Organization (ICAO) Level B and Level C.

Foam Proportioning

STORMALERT™ RF 3% x 6% ATC foam concentrate can be proportioned at the proper foam solution percentage using common foam proportioning devices such as:

- Eductors
- Inline balanced pressure proportioners
- Ratio controllers
- Self-educing nozzles

Storage

The temperature range for STORMALERT™ RF 3% x 6% 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.



Compatibility

STORMALERT™ RF 3% x 6% ATC foam concentrate should not be mixed with other foam concentrates. For questions about compatibility or mixing, consult ALERT Technical Services.

Materials of

Construction Compatibility

STORMALERT™ RF 3% x 6% 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 materials of construction compatibility, consult ALERT Technical Services.

Inspection

STORMALERT™ RF 3% x 6% ATC foam concentrate or pre-mix solution 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.

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ALERT DISASTER CONTROL (ASIA) PTE. LTD.

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Environmental Information

STORMALERT™ RF3% x 6% ATC foam concentrates are fluorosurfactant, fluoropolymer-free products for use on Class B hydrocarbon fuels with no environmental concerns for persistence, bioaccumulation or toxic break down.

Certifications

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

STORMALERT™ RF 3% x 6% ATC is Approved to European Standard EN 1568 Part 3 & 4 and International Civil Aviation Organization (ICAO) Level B (3%, 6% solutions) and Level C (6% solution).

Ordering Information

STORMALERT™ RF 3% x 6% ATC foam concentrate is available in pails, drums, totes, and bulk quantities.

Description	Shipping Weight	Cube
STORMALERT™ RF 3% x 6% ATC, 5 gallon (20 litre) pail	45 lb (21 kg)	1.25 ft ³ (0.04 m ³)
STORMALERT™ RF 3% x 6% ATC, 55 gallon (200 litre) drum	495 lb (224 kg)	11.83 ft ³ (0.33 m ³)
STORMALERT™ RF 3% x 6% ATC, 265 gallon (1000 litre) tote	2465 lb (1118 kg)	50.05 ft ³ (1.42 m ³)
STORMALERT™ RF 3% x 6% ATC, bulk	Call Customer Services	

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TYPICAL PHYSICAL PROPERTIES

Visual:	Brown liquid
Freezing Point:	-5° C (23° F) <i>(No quality loss after thawing)</i>
Maximum storage temp:	49° C (120° F)
pH :	7.0 - 8.5
Refractive index:	1.3750 - 1.3850
Specific gravity:	1.050 - 1.085
Viscosity:	4300 - 5900 cP*
Sediments:	none
* Brookfield Viscometer Spindle #4, Speed 30 rpm	

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