

Filmfoam^{C6} A933 FP AR- AFFF 3%-3%

Description

Filmfoam^{C6} A933 FP is a cost-effective Alcohol Resistant Aqueous Film-Forming Foam (AR-AFFF) concentrate for extinguishing and securing flammable hydrocarbon and polar solvent liquid fires even at low ambient temperatures.

Filmfoam^{C6} A933 FP is a unique combination of hydrocarbon and fluorocarbon surface active agents. It produces a vapour-sealing aqueous film that spreads rapidly over hydrocarbon surfaces to provide rapid control and extinguishment. On polar solvents an insoluble polymer membrane is formed which protects the foam blanket from the solvent.

- Highly versatile and so eliminates the need to stock a variety of foam types.
- Film-forming on hydrocarbons for fast flame knockdown and extinguishment.
- Burnback resistance and post-fire security.
- Foam blanket re-seals when ruptured by personnel or equipment.

Applications

Filmfoam^{C6} A933 FP is used in high risk situations where hydrocarbons (such as crude oil, gasoline, diesel fuel, aviation kerosene) and/or polar solvents (such as alcohols, ketones, esters, and ethers) are stored, processed, or transported.

Typical applications include hydrocarbon storage tanks, process areas, warehouses, road/rail loading racks, power stations, marine terminals, and offshore platforms.

Approvals and Listings

Filmfoam^{C6} A933 FP is independently tested and certified to EN1568:2008 Parts 3 & 4.

Equipment

Filmfoam^{C6} A933 FP is intended for use at 3% (3 parts concentrate to 97 parts of water) on hydrocarbons and on polar solvents.

Filmfoam^{C6} A933 FP is readily proportioned using conventional foam proportioning equipment such as portable and fixed (in-line) foam venturi proportioners, handline nozzles/branchpipes with pick-up tubes, balanced pressure variable flow proportioners, balanced pressure bladder tank proportioners, and around-the-pump proportioners at temperatures as low as -15°C (5°F).

Filmfoam^{C6} A933 FP can be used with air aspirating discharge devices such as low expansion branchpipes, monitors, top pourer sets, rimseal foam pourers, foam/water sprinklers, and base (subsurface) injection systems.

Filmfoam^{C6} A933 FP can be used with non-aspirating discharge devices such as spray/fog branchpipes and nozzles, monitors, and spray/fog sprinklers.

Non-aspirated application is not recommended as the primary method of attack for major fires where a stable foam cover is essential.

Compatibility

Filmfoam^{C6} A933 FP is suitable for use in combination with:

- Soft or hard, fresh, brackish or sea water.
- Dry powder extinguishing agents either separately or as twin agent systems.
- Expanded protein-based or synthetic foams for application to a fire in sequence or simultaneously.

Environment

Filmfoam^{C6} A933 FP demonstrates low toxicity to aquatic organisms.

C6 Fluorosurfactants

These are the most effective agents currently available to tackle serious flammable liquid fires, providing firefighter safety and asset protection. Kerr foams containing C6 surfactants utilise the very latest in firefighting foam technologies, developed and refined specifically to lower the environmental impact without reducing performance.

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Storage

Filmfoam^{C6} A933 FP is exceptionally stable in long-term storage. A shelf-life of at least ten years can be expected if it is stored properly.

Disposal

Please refer to Kerr Fire's Foam Disposal Guide and MSDS for more information.

Product Quality

Filmfoam^{C6} A933 FP is produced to rigorous quality control standards to ensure consistent fire performance and excellent product reliability.

Kerr Fire operates a quality management system which complies with the requirements of BS EN ISO 9001.

Typical Physico-Chemical Properties

Appearance		Light Amber Liquid
Specific Gravity @ 20°C (68°F)		1.01 - 1.05
pH @ 20°C (68°F)		7.0 - 8.0
Non-Newtonian fluid that is pseudoplastic (shear thinning)		
Viscosity @ 20°C (68°F) using No.4 spindle at 60 rpm	cP	2300 - 3000
Maximum continuous storage temperature	°C (°F)	49 (120)
Maximum intermittent storage temperature	°C (°F)	60 (140)
Freezing point	°C (°F)	-16 (3.2)
Effect of freeze/thaw		No loss of performance
Lowest use temperature	°C (°F)	-15 (5)

Typical Foam Properties

Foam generated using the U.K. Defence Standard DEF42-40 5 lpm branchpipe at 7 Bar pressure.
Foam collected in a 1630 ml N.F.P.A. drainage pan.

Induction rate		3
Expansion ratio		≥ 8:1
25% drainage time minutes	min/sec	≥ 9'00"

Typical Packing Specification

	Plastic Square	Plastic Cylindrical	Ecobulk MX
Capacity	25 litres	200 litres	1000 litres
Empty weight (kg)	1.2	9.0	70
Filled weight (kg)	27	217	1110
Dimensions (mm)	448 x 286 x 286	580 D x 922 H	1200 L x 1000 W x 1160 H
Part number	4-AAF-A933F-BP	4-AAF-A933F-DP	4-AAF-A933F-FP

**EN1568:2008
Parts 3 & 4**

EMERGENCY FOAM SERVICE Call +44 (0) 15242 61166 – 24 hours a day, every day

Page 2/2

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