

Filmfoam^{C6} A 913 AR-AFFF 1-3%

Description

Filmfoam^{C6} A 913 is a cost-effective Alcohol Resistant Aqueous Film-Forming Foam (AR-AFFF) concentrate for extinguishing and securing flammable hydrocarbon and polar solvent liquid fires.

Filmfoam^{C6} A 913 contains a unique combination of hydrocarbon and fluorocarbon surface active agents. It produces a vapour-sealing aqueous film that spreads rapidly over fuel 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.
- Burnback resistance and post-fire security.
- Foam blanket reseals when ruptured by personnel or equipment.

Applications

Filmfoam^{C6} A 913 is used in high risk situations where hydrocarbons and/or polar solvents are stored, processed, or transported.

Typical applications include hydrocarbon storage tanks, process areas, warehouses, power stations, marine terminals and offshore platforms.

Approvals and Listings

Filmfoam^{C6} A 913 is independently tested and certified to EN1568:2008 part 3.

Filmfoam^{C6} A 913 is audited and approved to Underwriters Laboratories UL162 (7th Edition).

Equipment

Filmfoam^{C6} A 913 is intended for use on hydrocarbons as 1% (1 part concentrate to 99 parts of water) low expansion foam or 3% non-aspirated foam; and on polar solvents as 3% low expansion foam.

Filmfoam^{C6} A 913 can be used with air aspirating discharge devices and non-aspirating. Devices include low expansion branchpipes, monitors, top pourers, rimseal pourers, as well as water and foam sprinklers. Filmfoam^{C6} A 913 is also suitable for base injection or sub-surface application systems.

Non-aspirated foam is suitable for shallow fuel fires and spill fires. Where a major fuel fire is involved, Kerr Fire always recommends the use of aspirated foam where a stable foam blanket is essential.

Compatibility

Filmfoam^{C6} A 913 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 due to the C6 content.
- Expanded protein-based or synthetic foams for application to a fire in sequence or simultaneously.

Environment

The C6 surfactants balance high performance and low environmental impact. Filmfoam^{C6} A 913 demonstrates low aquatic toxicity.

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} A 913 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} A 913 production is closely controlled and is audited by UL in accordance with their approval system.

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

Typical Physico-Chemical Properties

Appearance		Amber Liquid
Specific Gravity @ 20°C (68°F)		1.01 - 1.05
pH @ 20°C (68°F)		7.5 - 8.5
Non-Newtonian fluid that is pseudoplastic (shear thinning)		
Viscosity @ 20°C (68°F) using No.4 spindle at 60 rpm	cP	1300 - 1900
Maximum continuous storage temperature	°C (°F)	49 (120)
Maximum intermittent storage temperature	°C (°F)	60 (140)
Freezing point	°C (°F)	-8 (17.6)
Effect of freeze/thaw		No loss of performance
UL Lowest use temperature	°C (°F)	1.7 (35)

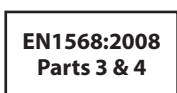
Typical Foam Properties

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	≥ 8' 15"

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-A913-BP	4-AAF-A913-DP	4-AAF-A913-FP



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

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