

CentriFoam^{C6} A933 AR FFFP 3-3

Description

CentriFoam^{C6} A933 is a superior quality Alcohol Resistant Film-Forming FluoroProtein (AR-FFFP) fire fighting foam concentrate for extinguishing and securing flammable hydrocarbon and polar solvent liquid fires.

A protein base material provides a tough cohesive foam blanket with high resistance to heat that provides the same post-fire security as a top quality FluoroProtein (FP). Fluorochemical surface active agents combined with the protein base produce a vapour-sealing aqueous film on hydrocarbons that provides the same fast control and extinguishment as a top quality synthetic AFFF. On polar solvents an insoluble polymer membrane is formed which protects the foam blanket from the solvent.

- Highly versatile
- Film forming on hydrocarbons for fast flame knockdown and extinguishment
- Detergent-free for high resistance to fuel pick-up
- Stable and long lasting foam blanket for excellent burnback resistance and post fire security
- Foam blanket re-seals when ruptured by personnel or equipment

Applications

CentriFoam^{C6} A933 is the ideal fire fighting foam to use 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. It is used extensively by industrial and municipal fire departments.

CentriFoam^{C6} A933 provides a vapour-suppressing foam blanket on spills of hazardous liquids.

Approvals and Listings

CentriFoam^{C6} A933 has numerous approvals and UL Listings against Underwriters Laboratories Standard UL 162 (7th Edition). Independently Tested and Certified to EN1568:2008 Parts 3 & 4.

Equipment

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

CentriFoam^{C6} A933 is readily proportioned using conventional foam proportioning equipment.

CentriFoam^{C6} A933 can be used with air aspirating discharge devices such as low expansion branchpipes, monitors, top pourer sets.

Exceptional resistance to fuel contamination makes it ideal for forceful application on to hydrocarbon storage tank fires from ground-based mobile monitors or via base (sub-surface) injection systems.

CentriFoam^{C6} A933 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.

Compatibility

CentriFoam^{C6} A933 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

CentriFoam^{C6} A933 is based on a natural protein foaming agent and contains no synthetic detergent or glycol ether.

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Storage

Centrif foam^{C6} A933 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

Centrif foam^{C6} A933 is produced to rigorous quality control standards which 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		Dark Brown Liquid
Specific gravity @ 20°C (68°F)		1.09 - 1.13
pH @ 20°C (68°F)		6.6 - 7.6
Non-Newtonian fluid that is pseudoplastic (shear thinning)		
Viscosity @ 20°C (68°F) using No.4 spindle at 60 rpm	cP	850 - 1750
Maximum continuous storage temperature	°C (°F)	49 (120)
Maximum intermittent storage temperature	°C (°F)	60 (140)
Freezing point	°C (°F)	-11 (12.2)
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		≥ 7:1
25% drainage time minutes	min/sec	≥ 5' 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)	29	231	1180
Dimensions (mm)	448 x 286 x 286	580D x 922H	1200L x 1000W x 1160H
Part number	4-AFP-A933-BP	4-AFP-A933-DP	4-AFP-A933-FP



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

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