

Fluorofoam^{C6} 703 FP 3%

Description

Fluorofoam^{C6} 703 is a cost-effective FluoroProtein (FP) fire fighting foam concentrate for extinguishing and securing flammable hydrocarbon liquid fires.

Its unique formulation is based on advanced protein foam technology. The protein base provides a tough cohesive foam blanket with high resistance to heat that quickly smothers, cools, and seals the risk. Fluorochemical surface active agents combined with the protein base increase the fluidity and fuel repellency of the foam.

- Stable long-lasting foam blanket for unsurpassed burnback resistance and post-fire security.
- Highly fluid foam for rapid fire knockdown and extinguishment.
- Detergent-free for high resistance to fuel pick-up.
- Excellent sealing action on hot metal surfaces.
- Foam blanket re-seals when ruptured by personnel or equipment.

Environment

Fluorofoam^{C6} 703 is based on a natural protein foaming agent and contains no harmful synthetic detergent or glycol ether.

Applications

Fluorofoam^{C6} 703 is the ideal fire fighting foam to use in situations where hydrocarbon fuels such as crude oil, gasoline, and fuel oils are stored, processed, or transported. It is used extensively by major world oil and petrochemical companies for hydrocarbon storage tank fire protection. Other typical applications include process areas, road/rail loading racks, power stations, marine terminals, and airports. Fluorofoam^{C6} 703 provides a vapour-suppressing foam blanket on unignited hydrocarbon spills.

Approvals and Listings

Fluorofoam^{C6} 703 has UL 162 listing and has been independently Tested and Certified to EN1568:2008 Part 3.

Equipment

Fluorofoam^{C6} 703 is intended for use as a 3% solution in water (3 parts concentrate to 97 parts water) at low expansion, and as a 6% solution in water at medium expansion.

It 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.

Fluorofoam^{C6} 703 should be used with air aspirating discharge devices such as low expansion branchpipes, monitors, top pourer sets, rimseal foam pourers, and foam/water sprinklers. It also produces top quality medium expansion foam when applied through medium expansion branchpipes and bund pourers.

As with any foam Fluorofoam^{C6} 703 is best applied gently on to the burning liquid surface. However, its exceptional resistance to fuel contamination enables it to withstand vigorous mixing with fuel. This makes it ideal for forceful application on to storage tank fires from ground-based mobile monitors.

Compatibility

Fluorofoam^{C6} 703 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.

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Storage

Fluorofoam^{C6} 703 foam concentrate 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

Fluorofoam^{C6} 703 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.

Physico-Chemical Properties

Appearance		Dark Brown Liquid
Specific gravity @ 20°C (68°F)		1.13 - 1.17
pH @ 20°C (68°F)		6.9 - 7.9
Viscosity @ 20°C (68°F)	mm ² sec ⁻¹	< 10
Maximum continuous storage temperature	°C (°F)	49 (120)
Maximum intermittent storage temperature	°C (°F)	60 (140)
Freezing point	°C (°F)	-13 (8.6)
Effect of freeze/thaw		No loss of performance
UL Lowest use temperature	°C (°F)	-6.7 (20)

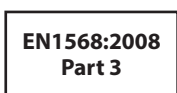
Foam Properties

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.

Expansion Ratio		≥ 7:1
25% Drainage Time	min/sec	≥ 6'30"

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	235	1200
Dimensions (mm)	448 x 286 x 286	580 D x 922 H	1200 L x 1000 W x 1160 H
Part number	4-FPR-703-BP	4-FPR-703-DP	4-FPR-703-FP



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

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