

Fluorofoam^{C6} 706 FP 6%

Description

Fluorofoam^{C6} 706 is a superior quality 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.

- Excellent sealing action on hot metal surfaces.
- Foam blanket re-seals when ruptured by personnel or equipment.

Applications

Fluorofoam^{C6} 706 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 tank fire protection.

Fluorofoam^{C6} 706 provides a vapour-suppressing foam blanket on unignited hydrocarbon spills.

Approvals and Listings

Fluorofoam^{C6} 706 has UL 162 listing and has been independently Tested and Certified to EN1568:2008 Part 3.

Equipment

Fluorofoam^{C6} 706 is intended for use as a 6% solution in water (6 parts concentrate to 94 parts water).

It is readily proportioned using conventional foam proportioning equipment such as portable and fixed foam proportioners.

Fluorofoam^{C6} 706 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} 706 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} 706 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

Fluorofoam^{C6} 706 is based on a natural protein foaming agent.

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

Fluorofoam^{C6} 706 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} 706 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		Dark Brown Liquid
Specific gravity @ 20°C (68°F)		1.08 - 1.12
pH @ 20°C (68°F)		6.1 - 7.1
Viscosity @ 20°C (68°F)	mm ² sec ⁻¹	3.0
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		Product is not damaged by freezing. After thawing agitate gently.
UL Lowest use temperature	°C (°F)	-6.7 (20)

Typical Foam Properties

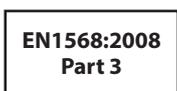
These vary depending on the performance characteristics of the foam.

When tested in accordance with UK Defence Standard 42-40 it gives the following properties:

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)	28	227	1160
Dimensions (mm)	448 x 286 x 286	580 D x 922 H	1200 L x 1000 W x 1160 H
Part number	4-FPR-706-BP	4-FPR-706-DP	4-FPR-706-FP



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

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