

Filmfoam^{C6} 916

AFFF 6%

Description

Filmfoam^{C6} 916 is a superior quality synthetic Aqueous Film-Forming Foam (AFFF) concentrate for extinguishing and securing flammable hydrocarbon liquid fires.

Filmfoam^{C6} 916 is a unique combination of hydrocarbon and fluorochemical surface active agents. It produces a vapour-sealing aqueous film that spreads rapidly over the fuel surface to provide rapid control and extinguishment.

- Film-forming for fast flame knockdown and extinguishment.
- Burnback resistance and post-fire security.
- Foam blanket reseals when ruptured by personnel or equipment.

Applications

Filmfoam^{C6} 916 is used in high risk situations where hydrocarbons (such as crude oil, diesel and aviation kerosene) are stored, processed, or transported. It is used extensively on Rapid Intervention Vehicles (RIV) where fast extinguishment with limited quantities of foam is essential for saving life. Other applications include hydrocarbon storage tanks, process areas, warehouses, power stations and offshore platforms.

Filmfoam^{C6} 916 provides a vapour-suppressing foam blanket on unignited hydrocarbon spills.

Approvals and Listings

Filmfoam^{C6} 916 is independently tested and certified to EN1568:2008 part 3.

Performance exceeds ICAO Level B fire performance and is certified to this performance level.

Filmfoam^{C6} 916 is audited and approved to Underwriters Laboratories UL162 (7th Edition).

Equipment

Filmfoam^{C6} 916 is intended for use at 6% (6 parts concentrate to 94 parts water).

Filmfoam^{C6} 916 is readily proportioned using conventional foam proportioning equipment.

Filmfoam^{C6} 916 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} 916 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} 916 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} 916 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} 916 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} 916 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		Light Amber liquid
Specific gravity @ 20°C (68°F)		1.00 - 1.02
pH @ 20°C (68°F)		6.6 - 7.6
Viscosity @ 20°C (68°F)	mm ² sec ⁻¹	2.0
Viscosity @ 0°C (32°F)	mm ² sec ⁻¹	3.0
Maximum continuous storage temperature	°C (°F)	60 (140)
Effect of freeze/thaw		Do not freeze
Lowest use temperature	°C (°F)	1.7 (35)
Sediment as shipped	% v/v	≤ 0.1
Sediment after ageing	% v/v	≤ 0.1

Typical Foam Properties

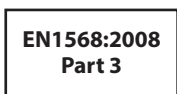
These vary depending on the performance characteristics of the foam.

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

Expansion Ratio	≥ 8:1
25% Drainage Time	≥ 2 mins 45 seconds

Typical Packing Specification

	Plastic Square	Plastic Square	Plastic Cylindrical	Plastic Cylindrical	Ecobulk MX
Capacity	25 litres	5 US gallons	200 litres	55 US gallons	1000 litres
Empty weight (kg)	1.2	0.8	9.0	9.0	70
Filled weight (kg)	27	20	213	222	1090
Dimensions (mm)	448 x 286 x 286	402 x 293 x 240	580 D x 922 H	580 D x 922 H	1200 L x 1000 W x 1160 H



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

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