

## Filmfoam<sup>C6</sup> 916 FP AFFF 6%

### Description

Filmfoam<sup>C6</sup> 916 FP is a superior quality synthetic Aqueous Film-Forming Foam (AFFF) concentrate for extinguishing and securing flammable hydrocarbon liquid fires.

Filmfoam<sup>C6</sup> 916 FP 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 knock down and extinguishment.
- Burnback resistance and post-fire security.
- Foam blanket reseals when ruptured by personnel or equipment.

### Applications

Filmfoam<sup>C6</sup> 916 FP is used in high risk situations where hydrocarbons (such as crude oil, gasoline, diesel fuel, and aviation kerosene) are stored, processed, or transported. It is used extensively on Rapid Intervention Vehicles (RIV) at major international airports and military bases where fast extinguishment with limited quantities of foam is essential for saving life. Other applications include hydrocarbon storage tanks, process areas, warehouses, road/rail loading racks, power stations, marine terminals, and offshore platforms.

Filmfoam<sup>C6</sup> 916 FP provides a vapour suppressing foam blanket on unignited hydrocarbon spills.

Filmfoam<sup>C6</sup> 916 FP can also be used as a wetting agent in combating fires in Class A materials such as wood, paper and tyres.

### Approvals and Listings

Filmfoam<sup>C6</sup> 916 FP is independently tested and certified to EN1568:2008 part 3.

### Equipment

Filmfoam<sup>C6</sup> 916 FP is intended for use at 6% (6 parts concentrate to 94 parts water).

Filmfoam<sup>C6</sup> 916 FP 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.

Filmfoam<sup>C6</sup> 916 FP can be used with air aspirating discharge devices such as low expansion branchpipes, monitors, top pourer sets, rimseal foam pourers, foam/water sprinklers.

Filmfoam<sup>C6</sup> 916 FP can be used with non aspirating discharge devices such as spray/fog branchpipes and nozzles, monitors, and spray/fog sprinklers. However, non-aspirated application is not recommended as the primary method of attack for major fires where a stable foam cover is essential.

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### Compatibility

Filmfoam<sup>C6</sup> 916 FP 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.

### Environment

The C6 surfactants balance high performance and low environmental impact. Filmfoam<sup>C6</sup> 916 FP 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<sup>C6</sup> 916 FP is exceptionally stable in long-term storage. A shelf-life of at least ten years may be expected if it is stored properly.

### Disposal

Please refer to Kerr Fire's Foam Disposal Guide.

### Product Quality

Filmfoam<sup>C6</sup> 916 FP 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		Amber Liquid
Specific Gravity @ 20°C (68°F)		1.02 - 1.06
pH @ 20°C (68°F)		6.6 - 7.6
Viscosity @ 20°C (68°F)	mm <sup>2</sup> sec <sup>-1</sup>	2.9
Maximum continuous storage temperature	°C (°F)	49 (120)
Maximum intermittent storage temperature	°C (°F)	60 (140)
Freezing point	°C (°F)	-19 (-2.2)
Effect of freeze/thaw		No loss of performance
Lowest use temperature	°C (°F)	-15 (5)

### 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		≥ 8:1
25% Drainage Time	min/sec	≥ 3'00"

### 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-AFF-916F-BP	4-AFF-916F-DP	4-AFF-916F-FP

**EN1568:2008  
Part 3**

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

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