

## CentriFoam<sup>C6</sup> 906 FFFP 6%

### Description

CentriFoam<sup>C6</sup> 906 is a superior quality Film-Forming FluoroProtein (FFFP) 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 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 that provides the same fast control and extinguishment as a top quality synthetic AFFF.

- Film-forming for fast flame knock down and extinguishment.
- Stable and long-lasting foam blanket for excellent burnback resistance and post-fire security.
- Detergent-free for high resistance to fuel pick-up.
- Foam blanket re-seals when ruptured by personnel or equipment.
- Reduced stocks, low cost storage, long shelf-life, and low usage levels combine to provide maximum cost-effectiveness.

### Applications

CentriFoam<sup>C6</sup> 906 is the ideal fire fighting foam to use in high risk situations where hydrocarbons (such as aviation kerosene, crude oil, gasoline, and diesel fuel) are stored, processed, or transported. It is used extensively on Rapid Intervention Vehicles at major international airports and military bases where fast extinguishment and post-fire security with limited quantities of foam concentrate are essential.

### Approvals and Listings

Independently Tested and Certified to EN1568:2008 part 3.

Tested to ICAO Level B Performance.

### Equipment

CentriFoam<sup>C6</sup> 906 is intended for use at 6% (6 parts concentrate to 93 parts water). CentriFoam<sup>C6</sup> 906 is readily proportioned using conventional foam proportioning equipment.

CentriFoam<sup>C6</sup> 906 can be used with air aspirating discharge devices such as low expansion branchpipes, monitors, top pourer sets and foam/water sprinklers where a stable foam cover is essential as well as through Mex devices.

As with any foam, CentriFoam<sup>C6</sup> 906 is best applied gently on to the burning liquid surface. However, the exceptional resistance to fuel contamination of FFFP enables it to direct application.

CentriFoam<sup>C6</sup> 906 can be used with non-aspirating discharge devices such as spray/fog branchpipes and nozzles, monitors, and spray/fog sprinklers for fast fire knockdown.

### Compatibility

CentriFoam<sup>C6</sup> 906 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

The C6 surfactants balance high performance and low environmental impact. CentriFoam<sup>C6</sup> 906 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.

## Centriffoam<sup>C6</sup> 906 FFFP 6%

### Storage

Centriffoam<sup>C6</sup> 906 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

Centriffoam<sup>C6</sup> 906 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)		1.07 - 1.11
pH @ 20°C (68°F)		6.9 - 7.9
Viscosity @ 20°C (68°F)	mm <sup>2</sup> sec <sup>-1</sup>	3.0 - 7.0
Maximum continuous storage temperature	°C (°F)	49 (120)
Maximum intermittent storage temperature	°C (°F)	60 (140)
Freezing point	°C (°F)	-7.5 (19.4)
Effect of freeze/thaw		Product is not damaged by freezing. After thawing agitate gently.
Lowest use temperature	°C (°F)	-6.7 (20)

### 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.

Expansion Ratio		≥ 8:1
25% Drainage Time	min/sec	≥ 2'00"

### 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)	29	230	1170
Dimensions (mm)	448 x 286 x 286	580 D x 922 H	1200 L x 1000 W x 1160 H
Part number	4-FFP-906-BP	4-FFP-906-DP	4-FFP-906-FP

**EN1568:2008  
Part 3**



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

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