

## Centrifoam<sup>C6</sup> A936 AR-FFFP 3%-6%

### Description

Centrifoam<sup>C6</sup> A936 is a superior quality Alcohol Resistant Film-Forming FluoroProtein (AR-FFFP) fire fighting foam concentrate for extinguishing and securing flammable hydrocarbon and polar solvent 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. Fluorochemical surface active agents combined with the protein base produce a vapour-sealing aqueous film on hydrocarbons. On polar solvents an insoluble polymer membrane is formed which protects the foam blanket from the solvent.

- Highly versatile - eliminates the need to stock a variety of foam types.
- 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.

### Environment

Centrifoam<sup>C6</sup> A936 is based on a natural protein foaming agent and contains no harmful synthetic detergent or glycol ether.

### Applications

Centrifoam<sup>C6</sup> A936 is the ideal fire fighting foam to use in high risk situations where hydrocarbons (such as crude oil, gasoline, diesel fuel, aviation kerosene) and/or polar solvents (such as alcohols, ketones, esters, and ethers) are stored, processed, or transported. It is used extensively by industrial and municipal fire departments.

Centrifoam<sup>C6</sup> A936 provides a vapour-suppressing foam blanket on spills of hazardous liquids.

### Approvals and Listings

Centrifoam<sup>C6</sup> A936 has numerous approvals and UL Listings against Underwriters Laboratories Standard UL 162 (7th Edition).

Independently Tested and Certified to EN1568:2008 Part 3 and 4.

### Equipment

Centrifoam<sup>C6</sup> A936 is intended for use at 3% (3 parts concentrate to 97 parts of water) on hydrocarbons and 6% on polar solvents.

Centrifoam<sup>C6</sup> A936 is readily proportioned using conventional foam proportioning equipment such as in-line foam venturi proportioners, balanced pressure proportioners and around-the-pump proportioners.

Centrifoam<sup>C6</sup> A936 can be used with air aspirating discharge devices such as low expansion branchpipes, monitors and top pourer sets.

Exceptional resistance to fuel contamination makes it ideal for forceful application on to hydrocarbon storage tank fires from ground-based mobile monitors.

Centrifoam<sup>C6</sup> A936 also produces top quality medium expansion foam.

### Compatibility

Centrifoam<sup>C6</sup> A936 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

Centriffoam<sup>C6</sup> A936 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> A936 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.

### Physico-Chemical Properties

Appearance		Dark Brown Liquid
Specific gravity @ 20°C (68°F)		1.09 - 1.13
pH @ 20°C (68°F)		6.6 - 7.6
<b>Non-Newtonian fluid that is pseudoplastic (shear thinning)</b>		
Viscosity @ 20°C (68°F) using No.4 spindle at 60 rpm	cP	850 - 1750
Maximum continuous storage temperature	°C (°F)	49 (120)
Maximum intermittent storage temperature	°C (°F)	60 (140)
Freezing point	°C (°F)	-10 (14)
Effect of freeze/thaw		No loss of performance
UL Lowest use temperature	°C (°F)	1.7 (35)

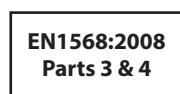
### Typical Foam Properties

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.

Induction rate		3	6
Expansion ratio		≥ 7:1	≥ 8:1
25% drainage time minutes	min/sec	≥ 4'30"	≥ 10'30"

### 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	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-AFP-A936-BP	4-AFP-A936-DP	4-AFP-A936-FP



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

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### Kerr Fire

Station Road, Bentham, Lancaster, LA2 7NA, UK

Tel: +44 (0)1524 264037 • Fax: +44 (0)1524 264180 • Email: info@kerrfire.co.uk • Web: www.kerrfire.co.uk

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