

## Filmfoam<sup>C6</sup> A 733 AR-AFFF 3% / 3%

### Description

Filmfoam<sup>C6</sup> A 733 is a competitive Alcohol Resistant Aqueous Film-Forming Foam (AR-AFFF) concentrate for extinguishing and securing flammable hydrocarbon and polar solvent liquid fires.

Filmfoam<sup>C6</sup> A 733 contains a combination of hydrocarbon and fluorocarbon surface active agents. It produces a vapour-sealing aqueous film that spreads over hydrocarbon fuels to provide rapid control and extinguishment. On polar solvents an insoluble polymer membrane is formed which protects the foam blanket from the destructive effects of the solvent.

- Versatile, eliminating the need to stock a variety of foam types.
- Film-forming on hydrocarbons for fast flame knockdown and extinguishment.
- Good burnback resistance and post-fire security.
- Foam blanket re-seals when ruptured by personnel or equipment.

### Applications

Filmfoam<sup>C6</sup> A 733 is used in high risk areas 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.

Typical applications include hydrocarbon storage tanks, process areas, warehouses, road/rail loading racks, power stations, marine terminals, and offshore platforms.

### Approvals and Listings

Filmfoam<sup>C6</sup> A 733 has numerous approvals and UL Listings against Underwriters Laboratories Standard UL 162 (7th Edition).

### Equipment

Filmfoam<sup>C6</sup> A 733 is formulated for use at 3% (3 parts concentrate to 97 parts of water) on hydrocarbons and polar solvents.

Filmfoam<sup>C6</sup> A 733 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> A 733 can be used with air aspirating discharge devices such as low expansion branchpipes, monitors, top pourer sets, rimseal foam pourers, foam/water sprinklers, and base (sub-surface) injection systems.

Filmfoam<sup>C6</sup> A 733 can be used with non-aspirating discharge devices such as spray/fog branchpipes and nozzles, monitors, and spray/fog sprinklers. Non-aspirated application is not recommended as the primary method of attack for major fires where a stable foam cover is essential.

### Compatibility

Filmfoam<sup>C6</sup> A 733 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

Filmfoam<sup>C6</sup> A 733 is formulated only with telomer-based fluorocarbon surfactants.

### 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> A 733 is stable in long-term storage. A shelf-life of ten years may be expected if it is stored in the original sealed containers according to our recommendations.

### Disposal

Please refer to Kerr Fire's Foam Disposal Guide and MSDS for more information.

### Reliability

Filmfoam<sup>C6</sup> A 733 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)                                    |         | 1.00 - 1.04            |
| pH @ 20°C (68°F)  |         | 6.3 - 7.3              |
| <b>Non-Newtonian fluid that is pseudoplastic (shear thinning)</b> |         |                        |
| Viscosity @ 20°C (68°F) using No.4 spindle at 60 rpm              | cP      | 1400 - 2600            |
| Maximum continuous storage temperature                            | °C (°F) | 49 (120)               |
| Maximum intermittent storage temperature                          | °C (°F) | 60 (140)               |
| Freezing point  | °C (°F) | -4 (24.8)              |
| 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        |
| Expansion ratio           |         | ≥ 8:1    |
| 25% drainage time minutes | min/sec | ≥ 8' 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) | 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-AAF-A733-BP   | 4-AAF-A733-DP       | 4-AAF-A733-FP            |



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

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