

Filmfoam^{C6} 716 AFFF 6%

Description

Filmfoam^{C6} 716 is a cost effective synthetic Aqueous Film Forming Foam (AFFF) concentrate for extinguishing and securing flammable hydrocarbon liquid fires.

Filmfoam^{C6} 716 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.

Application

Filmfoam^{C6} 716 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^{C6} 716 provides a vapour suppressing foam blanket on unignited hydrocarbon spills.

Filmfoam^{C6} 716 can also be used as a wetting agent in combating fires in Class A materials such as wood, paper and tyres.

Performance

Filmfoam^{C6} 716 is measured primarily against Underwriters Laboratories Standard UL 162 (7th Edition)

Equipment

Filmfoam^{C6} 716 is intended for use at 6% (6 parts concentrate to 94 parts water).

Filmfoam^{C6} 716 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^{C6} 716 can be used with air aspirating discharge devices such as low expansion branchpipes, monitors, top pourer sets, rim-seal foam pourers, foam/water sprinklers.

Filmfoam^{C6} 716 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.

Compatibility

Filmfoam^{C6} 716 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. Filmfoam^{C6} 716 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.

Filmfoam 716

AFFF 6%

Storage

Filmfoam⁶ 716 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 and MSDS for more information.

Product Quality

Filmfoam⁶ 716 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 | | Light Yellow Liquid |
| Specific Gravity @ 20°C (68°F) | | 0.99 - 1.03 |
| pH @ 20°C (68°F) | | 6.2 - 7.2 |
| Viscosity @ 20°C (68°F) | mm ² sec ⁻¹ | 2 |
| Maximum continuous storage temperature | °C (°F) | 49 (120) |
| Maximum intermittent storage temperature | °C (°F) | 60 (140) |
| Freezing point | °C (°F) | -2 (28.4) |
| Effect of freeze/thaw | | Product is not damaged by freezing. After thawing agitate gently. |
| UL Lowest use temperature | °C (°F) | 1.7 (35) |

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 |
| 25% Drainage Time | min/sec | ≥ 2' 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) | 26 | 211 | 1080 |
| Dimensions (mm) | 448 x 286 x 286 | 580 D x 922 H | 1200 L x 1000 W x 1160 H |
| Part number | 4-AFF-716-BP | 4-AFF-716-DP | 4-AFF-716-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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