

Filmfoam^{C6} 713

AFFF 3%

Description

Filmfoam^{C6} 713 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^{C6} 713 is used in high risk situations where hydrocarbons (such as crude oil, gasoline, diesel fuel, and aviation kerosene) are stored, processed, or transported. Other applications include hydrocarbon storage tanks, process areas, warehouses, road/rail loading racks, power stations, marine terminals, and offshore platforms.

Filmfoam^{C6} 713 provides a vapour-suppressing foam blanket on unignited hydrocarbon spills.

Filmfoam^{C6} 713 can also be used as a wetting agent in combating fires in Class A materials such as wood, paper, and tyres.

Performance

The fire performance of Filmfoam^{C6} 713 is measured primarily against Underwriters Laboratories Standard UL 162 (7th Edition).

European Standard EN1568-3:2008 Extinction Class 1, Burnback Level A.

Approvals

Filmfoam^{C6} 713 is UL Listed.

Independently Tested and Certified to EN1568:2008 Part 3.

Equipment

Filmfoam^{C6} 713 is intended for use at 3% (3 parts concentrate to 97 parts water). Filmfoam^{C6} 713 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} 713 can be used with air aspirating discharge devices such as low expansion branchpipes, monitors, top pourer sets, rimseal foam pourers, foam/water sprinklers.

Filmfoam^{C6} 713 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} 713 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

Filmfoam^{C6} 713 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

Filmfoam^{C6} 713 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) | | 5.9 - 6.9 |
| 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) | -4 (24.8) |
| Effect of freeze/thaw | | No loss of performance |
| UL Lowest use temperature | °C (°F) | 1.7 (35) |

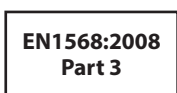
Foam Properties

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 | | ≥ 8:1 |
| 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-713-BP | 4-AFF-713-DP | 4-AFF-713-FP |



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

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