Fluorofoam^{C6} 903 Plus
FP 3%

Description

Fluorofoam^{C6} 903 Plus is a superior quality FluoroProtein (FP) 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 provides a tough cohesive foam blanket with high resistance to heat that quickly smothers, cools, and seals the risk. Fluorochemical surface active agents combined with the protein base increase the fluidity and fuel repellency of the foam

- Stable long lasting foam blanket for unsurpassed burnback resistance and post fire security.
- Highly fluid foam for rapid fire knockdown and extinguishment.
- Detergent free for high resistance to fuel pick-up.
- Excellent sealing action on hot metal surfaces.
- Foam blanket re-seals when ruptured by personnel or equipment.

Environment

Fluorofoam^{C6} 903 Plus is based on a natural protein foaming agent and contains no synthetic detergent or glycol ether.

Applications

Fluorofoam^{C6} 903 Plus is the ideal fire fighting foam to use in situations where hydrocarbon fuels such as crude oil, gasoline and fuel oils are stored, processed, or transported.

Fluorofoam^{C6} 903 Plus is used extensively by major oil and petrochemical companies for hydrocarbon, MTBE and blended unleaded gasoline storage tank fire protection around the world. Other applications include road/rail loading racks, process areas, power stations, marine terminals and airports.

Fluorofoam^{C6} 903 Plus provides a vapour suppressing foam blanket on unignited hydrocarbon spills.

Performance

The fire performance of Fluorofoam^{C6} 903 Plus is measured primarily against Underwriters Laboratories Standard UL 162 (7th Edition).

Approvals

Independently tested & certified to EN1568:2008 Part 3

Fluorofoam^{C6} 903 Plus has numerous approvals and UL Listings

Equipment

Fluorofoam^{C6} 903 Plus is intended for use as a 3% solution in water (3 parts concentrate to 97 parts water) at low and medium expansion. It 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.

Fluorofoam^{C6} 903 Plus should be used with air aspirating discharge devices such as low expansion branchpipes, monitors, top pourer sets, rimseal foam pourers, and foam/water sprinklers. It also produces top quality medium expansion foam when applied through medium expansion branchpipes and bund pourers.

As with any foam Fluorofoam^{C6} 903 Plus is best applied gently on to the burning liquid surface. However, its exceptional resistance to fuel contamination enables it to withstand vigorous mixing with fuel. This makes it ideal for forceful application on to storage tank fires from ground based mobile monitors or through base (sub-surface) injection systems.

Compatibility

Fluorofoam^{C6} 903 Plus 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

Fluorofoam^{C6} 903 Plus foam concentrate 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

Fluorofoam^{C6} 903 Plus 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)		1.18 - 1.22
pH @ 20°C (68°F)		7.0 - 8.0
Viscosity @ 20°C (68°F)	$mm^2 sec^{-1}$	15.0 - 30.0
Maximum continuous storage temperature	°C (°F)	49 (120)
Maximum intermittent storage temperature	°C (°F)	60 (140)
Freezing point	°C (°F)	-16 (3.2)
Effect of freeze/thaw		No loss of performance
UL Lowest use temperature	°C (°F)	-6.7 (20)

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		≥ 7:1
25% Drainage Time	min/sec	≥ 7′ 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)	30	243	1240
Dimensions (mm)	448 x 286 x 286	580D x 922H	1200L x 1000W x 1160H
Part number	4-FPR-903PLUS-BP	4-FPR-903PLUS-DP	4-FPR-903PLUS-FP

EN1568:2008 Part 3

UL LISTED

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