

AQUAFILM™ AF-1U

AFFF FOAM CONCENTRATE (1%)



DESCRIPTION

Aquafilm™ AF-1U is specifically designed to fight effectively all type of Class B fires (Hydrocarbon) being also very adequate to fight Class A fires.

Its extraordinary AFFF properties give this product an effective and rapid knockdown of the fire when fighting non miscible flammable liquids.

Aquafilm™ AF-1U uses very specific fluorinated and hydrocarbon surfactants in order to allow a good formation of an aqueous film on the surface of most hydrocarbon fuels, suppressing vapour leaks and preventing its contact with the oxygen and providing an excellent sealing on hot surfaces. Its formulation allows a great oil repellence, fluidity and burnback resistance.

It is a perfect tool to fight fires on storage tanks, bund, process areas, loading racks, power stations, airports or marine terminals amongst others.

Aquafilm™ AF-1U is designed to be used with low expansion foam equipment (nozzles, monitors, foam chambers, etc.), non-aspirating devices (water spray nozzles and standard sprinklers) and medium expansion foam branches.

Aquafilm™ AF-1U dilution rate is 1% in fresh or sea water (1% foam concentrate + 99% water). It may be proportioned with



standard equipment (in-line inductors, bladder tanks, balanced pressure systems, etc.)

Aquafilm is highly biodegradable and it is manufactured according to "C6 fluorocompounds" fulfilling the 2010/2015 EPA PFOA Stewardship Program.

SPECIFICATIONS

CONCENTRATE	
Specific gravity @ 20°C	1.045
pH @ 20°C	8.0 ± 0.5
Viscosity, cone and plate, mPa.s @ 20°C	9.0
Freezing point, °C	< -5
Lowest temperature for use, °C	-5

FOAM SOLUTION	
Dilution rate	1%
Surface tens. at 20°C, mN/m (Demineralised water)	16.0
Interfacial tens. with cyclohexane at 20°C, mN/m	2.0
Low Expansion Foam (UNI-86)	
Foam Expansion Index	8.0
25% Drainage Time, min:s	3:00

PERFORMANCE

The foam achieves a very quick knock-down of fires, even with low application rates, and shows an excellent burn-back re-sistance. The product has approval certification according to **EN-1568-3:2008 (class 1B with fresh water and 1C with sea water)** and certified according to

ICAO Level B. Furthermore, Aquafilm™ AF-1U product is **UL Listed** as AFFF with portable systems for hydrocarbons with type III application @ 0.10 gal/min-sq.ft.

STANDARD	EN-1568-3-2008				ICAO B
	Heptane				Kerosene
Fuel					
Application	Forceful	Gentle	Forceful	Gentle	Forceful
Dilution rate, %	1	1	1	1	1
Water	fresh	fresh	salt	salt	fresh
Extinction	2:07	1:37	2:07	1:59	0:39
Burnback 25%	-	15:54	-	13:20	15:30
Classification	1B		1C		Pass level B



PACKAGING

The product is supplied in 20 or 25 L PE prismatic containers, 200 L PE cylindrical drums and 1,000 L IBC containers.

STORAGE

The concentrate should be stored at temperatures between -5°C and +50°C, preferably in the original containers or in stainless steel or epoxy lined tanks. Avoid permanent contact with carbon steel, iron, copper alloys, aluminium, etc. Do not mix with other foam concentrates without a previous verification of compatibility.

CAUTIONS

Foams should neither be used in contact with electrical equipment, nor with chemical products that can react with water. It is recommended to avoid the contact of the foam concentrate with the skin. In case of eye splashes, wash with plenty of water. In case of ingestion do not induce vomit, drink water and take medical advice.



Solutions That Save.

FOR MORE INFORMATION

Contact any of our worldwide Perimeter Solutions Fire Safety offices or visit:
www.Perimeter-Solutions.com

UNITED STATES

1520 Brookfield Avenue
Green Bay, WI 54313
Tel: +1 (920) 593-9445
salesfoamusa@perimeter-solutions.com

EMEA

Polígono Industrial de Baiña, Parcela 23
33682 Baiña-Mieres (Asturias) – Spain
Tel: +34 985 24 29 45
salesfoamea@perimeter-solutions.com

ASIA PACIFIC

3 Charles Street
St Marys NSW 2760 – Australia
Tel: +61 2 9673 5300
salesfoamapac@perimeter-solutions.com

perimeter-solutions.com

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