

AQUAFILM™ AF-1R

PREMIUM AFFF FOAM CONCENTRATE (1%)



DESCRIPTION

Aquafilm 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 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 excelling sealing on hot surfaces. Its formulation allows a great oil repellence, fluidity and burnback resistance.

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

Aquafilm 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 's 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.) and special purpose ones for AFFF agents (e.g. Hydrofoam nozzles).

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	1.03
pH @ 20°C	8 ± 0.5
Viscosity, cone and plate, 375/75 s-1 mPa.s @ 20°C	8
Freezing point, °C	<-5
Lowest temperature for use, °C	-5*

*Also available with lower freezing points. Please contact us for further information.

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	3.5
Low Expansion Foam (EN-1568-3)	AD
Foam Expansion Index	8.0
25% Drainage Time, min:s	2:40

PERFORMANCE

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

passes **LASTFIRE protocol** for extinction of hydrocarbons in tanks, with in the 3 tests: semi-aspirated, aspirated and system nozzles on fresh (C/G/G) and sea water (A/A/G).

STANDARD	EN-1568-3:2008	
Fuel	Heptane	
Application	Forceful	Gentle
Dilution rate, %	1	1
Water	fresh	fresh
Extinction	1:55	1:50
Burnback 25%	<10:00	15:05
Classification	1B	



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° 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 not 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

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