



AUXQUIMIA
Fire fighting products

**THE
FOAM
SOLUTION**



AQUAFILM™ AF-3U

AFFF FOAM CONCENTRATE (3%)

Aquafilm™ AF-3U 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-3U 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-3U 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-3U dilution rate is 3% in fresh or sea water (3% foam concentrate + 97% 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.

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ICL
Where needs take us



AQUAFILM™ AF-3U

AFFF FOAM CONCENTRATE (3%)

SPECIFICATIONS

CONCENTRATE	
Specific gravity @ 20°C	1.020
pH @ 20°C	8.0 ± 0.5
Viscosity, cone and plate, mPa.s @ 20°C	2.0
Freezing point, °C	< 0
Lowest temp. for using, °C	-3

FOAM SOLUTION	
Dilution rate	3%
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 / Medium Expansion	
Foam Expansion Index	8.5
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 resistance. The product has approval certification according to **EN-1568-3:2008 (class 1B with fresh water and class 1C**

with sea water) and certified according to **ICAO Level B**. Furthermore, Aquafilm™AF-3U 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
Fuel	Heptane				Kerosene
Application	Forceful	Gentle	Forceful	Gentle	Forceful
Dilution rate, %	3	3	3	3	3
Water	fresh	fresh	salt	salt	fresh
Extinction	2:00	1:22	1:47	2:49	0:49
Burnback 25%	-	15:13	-	13:23	11:58
Classification	1B		1C		Pass level B

EN 1568:
2008 Part 3



PACKING

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 0° 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.