

AUXQUIMIA® UNIPOL-FF™ 3

FLUORINE-FREE FOAM CONCENTRATE (3%)



DESCRIPTION

Low viscosity foam concentrate formulated with a special combination of hydrocarbon surfactants which gives excellent foaming, extinguish and burnback properties to its foam solutions. It does not contain any or-ganohalogenated compounds. It can be used to put out hydrocarbons and Class A (solids) fires.

USE

UNIPOL-FF 3 has been designed to generate foams with high fluidity and slow drainage. It is mainly used on hydrocarbon fires and could be even applied with forceful application; capacity up until now only reserved for AFFF agents. Unlike the AFFF agents, it does not form an aqueous film on hydrocarbons because it does not contain fluorinated surfactants. The excellent extinguish times are possible thanks to its good foaming capacity, high water retention and great oleophobicity. Due to the lack of this aqueous film, it is recommended to cover the fuel with a layer of foam thick enough to prevent that the fuel surface can be exposed and reignited. Its good wetting



ability and great water retention make it very suitable for extinguishing Class A fires (solid) with both spray and low expansion nozzles.

DOSAGE

The dilution rate is 3% in fresh water for hydrocarbons and Class A fires. It may be proportioned with standard equipment (in-line inductors, bladder tanks, balanced pressure systems, etc).

SPECIFICATIONS

FOAM CONCENTRATE		FOAM SOLUTION	
Specific gravity @ 20°C	1.002 - 1.022	Dilution rate	3%
pH @ 20°C	7.5 - 8.5	Surface tens. at 20°C, mN/m (Demineralised water)	22 - 27
Viscosity, cone and plate, 750 s-1 mPa.s @ 20°C	<5	Interfacial tens. with cyclohexane at 20°C, mN/m	≥ 1.2
Freezing point, °C	< 0°C	Low Expansion Foam (EN 1568-3)	
Lowest temperature for use, °C	0°C	Foam Expansion Index	>7
		25% Drainage Time, min:s	>6:00

PERFORMANCE

The foam achieves a very quick knock-down of fires and shows a good burnback resistance. The product has approval certification according to EN 1568-3:2008 (Class IB) in fresh water.

STANDARD	EN-1568-3:2008	
Fuel	Heptane	
Application	Forceful	Gentle
Dilution rate, %	3	3
Water	fresh	fresh
Extinction	2:38	3:24
Burnback 25%	-	18:00
Classification	1B	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 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 not be used in contact with electrical equipments, neither 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.



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FOR MORE INFORMATION

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