Perimeter SOLUTIONS
Quality Products. Exceptional Response.

Solutions That Save.

AUXQUIMIA® UNIPOL-FF™ K3

HIEX-AR FLUORINE-FREE FOAM CONCENTRATE (3X3)

AUXQUIMIA
Fire fighting products

DESCRIPTION

Foam concentrate formulated with a special combination of hydrocarbon surfactants and pseudo-plastic polymers which gives excellent foaming, extinguish and burnback properties to its foam solutons. **It does not con-tain any organohalogenated compounds.** It can be used to put out class B (liquids) and class A (solids) fires.

USE

AUXQUIMIA® UNIPOL-FF™ K3 has been designed to be used with low and medium expansion nozzles and generate foams with high fluidity and slow drainage. It can be used on hydrocarbon fires; and polar solvents. The lack of fluorinated additives, which improves the anti-alcohol effect of the product, can reduce the performance with different solvents, and thus, it may be necessary to increase the typical application rates. 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 dosage rate is 3% for hydrocarbons and polar solvents. In case of class A fires the product can be used at 3%. It may be proportioned with standard equipment (in-line inductors, bladder tanks, balanced pressure systems, etc).

SPECIFICATIONS

FOAM CONCENTRATE	
Specific gravity @ 20°C	1.010
pH @ 20°C	7.5±0.5
Viscosity, cone and plate, 375/75 s-1 mPa.s @ 20 °C	90/275
Freezing point, °C	-4
Lowest temperature for use, °C	0

FOAM SOLUTIONS	
Dilution rate	3%
Surface tens. at 20°C, mN/m (Demineralised water)	23.0
Interfacial tens. with cyclohexane at 20°C, mN/m	5.0
Low Expansion Foam (EN-1568-3)	
Foam Expansion Index	8.0
25% Drainage Time, min:s	>18:00
Medium Expansion Foam (EN-1568-1)	
Foam Expansion Index	125
25% Drainage Time, min:s	>25:00

PERFORMANCE

UNIPOL-FF K3 fulfills the fire tests requirements according to EN-1568-1:2008, EN-1568-3:2008 and EN-1568-4:2008. The table below summarizes some fire tests and classifications according to these standards

STANDARD	EN-1568-1:2008		EN-1568-3:2008	EN-1568-4:2008
Fuel	Heptane		Acetone	IPA
Application	-	Gentle	Gentle	Gentle
Dilution rate, %	3	3	3	3
Water	fresh	fresh	fresh	fresh
Extinction	0:51	1:06	1:32	2:04
Burnback	1:48	20:46	11:49	6:11
Classification	-	IIIB	IB	IC

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°C and +50°C, preferably in the original con-tainers or in stainless steel or epoxy lined tanks. Avoid permanent contact with carbon steel, iron, cooper 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.

Perimeter SOLUTIONS
Quality Products. Exceptional Response.

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
salesfoamemea@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

NOTICE PERIMETER SOLUTIONS MAKES NO REPRESENTATIONS OR WARRANTIES AS TO THE COMPLETENESS OR ACCURACY OF THE INFORMATION INCLUDED HEREIN. THE INFORMATION CONTAINED HEREIN IS NOT INTENDED TO PROVIDE REGULATORY, LEGAL OR EXPERT ADVICE RELATING TO THE PRODUCTS, ITS APPLICATION OR USES. NOTHING CONTAINED HEREIN IS TO BE CONSTRUED AS A RECOMMENDATION TO USE ANY PRODUCT, PROCESS, EQUIPMENT OR FORMULATION IN CONFLICT WITH ANY INDUSTRIAL PROPERTY OR INTELLECTUAL PROPERTY RIGHTS, AND PERIMETER SOLUTIONS MAKES NO REPRESENTATION OR WARRANTY, EXPRESS OR IMPLIED, THAT THE USE THEREOF WILL NOT INFRINGE ON ANY INDUSTRIAL PROPERTY OR INTELLECTUAL PROPERTY RIGHTS. NO REPRESENTATIONS OR WARRANTIES, EITHER EXPRESSED OR IMPLIED, OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE OR OF ANY OTHER NATURE ARE MADE HEREUNDER WITH RESPECT TO THE INFORMATION CONTAINED HEREIN.

© 2024 PERIMETER SOLUTIONS LP. ALL RIGHTS RESERVED. AUXQUIMIA AND PERIMETER SOLUTIONS ARE TRADEMARKS OF PERIMETER SOLUTIONS LP OR ITS AFFILIATES.