

POLYFOAM 3/6S

FOAM CONCENTRATE AFFF-AR 3X6%



DESCRIPTION

POLYFOAM 3/6S is an AFFF-AR compound for extinction of hydrocarbon and polar solvent fires. This concentrate has a pseudoplastic behaviour. It contains fluorinated and hydrocarbon surfactants to allow a good formation of an aqueous film on the surface of most hydrocarbon fuels and polar solvents, 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.

POLYFOAM 3/6S is a perfect tool to fight fires on storage tanks, bund, process areas, loading racks, power stations, marine vessels, Onshore and offshore terminals amongst others.

POLYFOAM 3/6S dilution rate is 3% in fresh or sea water for extinguishing hydrocarbon fires and 6% for polar solvent (alcohols, ketones, ethers, esters, amines, etc.) fires or when medium expansion is required.

It performs effectively on fresh or sea water and it may be proportioned with standard equipment (in-line inductors, bladder



tanks, pumps, balanced pressure systems, etc.) and special purpose ones for AFFF agents (e.g. Hydrofoam nozzles).

On hydrocarbon and polar solvent fires it can be applied also with non-aspirating devices (water spray nozzles and standard sprinklers). It can be used fighting fires or covering spillages of chemicals to avoid

the emission of toxic, harmful, flammable, etc., vapours, even acids. The foam has a very good resistance to all kind of chemicals.

POLYFOAM 3/6S 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	1.020
pH @ 20°C	7.0-8.0
Viscosity, cone and plate, 375/75 s-1 mPa.s @ 20°C	75/232
Freezing point, °C	< -5°C*
Lowest temperature for use, °C	- 5°C*

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

FOAM SOLUTION		
Dilution rate	3%	6%
Surface tens. at 20°C, mN/m (Demineralised water)	15.7	15.7
Interfacial tens. with cyclohexane at 20°C, mN/m	3.5	2.7
Low Expansion Foam (EN 1568-3)		
Foam Expansion Index	7.5	8.0
25% Drainage Time, min:s	8:00	27:00

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 certifications according to EN 1568-3:2008 (class IA) and EN 1568-4:2008 (class IA).**

STANDARD	EN-1568-3		EN-1568-4			
	Heptane	Heptane	Acetone	Acetone	IPA	IPA
Fuel						
Application	Forceful	Forceful	Gentle	Gentle	Gentle	Gentle
Dilution rate, %	3	3	6	6	6	6
Water	fresh	salt	fresh	salt	fresh	salt
Extinction	2:05	1:42	1:05	0:55	1:10	0:45
Burnback 25%	22:06	21:10	23:12	26:21	30:43	30:30
Classification	IA	IA	IA	IA	IA	IA

EN 1568:
2008 Parts 3&4

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 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

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.