

Firefighting Foam Polyfoam B 3-15

100065

AFFF compound for extinction of hydrocarbon and polar solvent fires. Concentrate with pseudoplastic behaviour. It contains fluorinated and hydrocarbon surfactants in order to allow the formation of an aqueous film on the surface of most hydrocarbon fuels, reducing vapour leaks and preventing the contact with the oxygen.

Use:

It may 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. On polar solvent fuels use gentle application. 3.

Dosage:

The dilution rate is 3% in fresh or sea water for extinguishing hydrocarbon fires and polar solvent (alcohols, ketones, ethers, esters, amines, etc) fires. 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).

Packaging:

The product is supplied in 20 or 25 L PE prismatic containers, 200 L PE cylindrical drums and 1.000 L IBC containers.

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 fulfils the fire tests requirements according to EN-1568-3:2008 and EN-1568-4:2008 and has approval certification according to the standard "GOST P 50588".

Storage:

The concentrate should be stored at temperatures between -15°C 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.

Technical specifications

Technical specifications - The typical characteristics of the concentrate and foam solutions are:

Specific gravity @ 20°C	1.040
pH @ 20°C	7.0 - 8.0
Viscosity, #4 30 r.p.m. mPa.s @20°C	1900
Viscosity, cone and plate, 375/75s-1 mPa.s @20°C	70
Freezing point, °C	<-15
Lowest temp. for use, °C	- 15 °C

Dilution rate	3%
Surface tens. at 20°C, mN/m (Demineralised water)	17.0
Interfacial tens. with heptane at 20°C, mN/m	2.7
Low Expansion Foam ("GOST P 50588")	-
Foam Expansion Index	8.2
25% Drainage Time, min:s	8:30

