

# H-930

## SYNTHETIC MULTIEXPANSION FOAM CONCENTRATE (2%)

**1. DESCRIPTION.-** Synthetic foam compound specially designed to be used in high and medium expansion foam generators to fight class A and class B (hydrocarbon) fires. This product contains synthetic surfactants with a very good resistance to water hardness and it is easily biodegradable. The foam shows a good stability and drains slowly.

**2. USE.-** Use with high, medium and low expansion foam equipment. High expansion foam with expansion coefficient of 500 to 1.000 is appropriate to extinguish indoor fires by suffocation. Medium expansion foam is a sufficient heavy foam to be used outdoors, filling small places, covering quickly spillages, etc. It can be used also to produce low and very-low (using water spray nozzles) expansion foam for general purposes (fighting A and B class fires); when it is necessary to extinguish light hydrocarbon fires use gentle application and increase the application rate (l/min.m<sup>2</sup>) (note that in these cases an AFFF compound is more efficient).

**3. DOSAGE.-** The proportioning rate is 2-3% in fresh or sea water for the production of all kind of foams.

**4. SPECIFICATIONS.-** Typical characteristics of the concentrate and foam solutions are:

CONCENTRATE		FOAM SOLUTION	
Specific gravity @ 20°C	1.06	Dilution rate	2%
pH @ 20°C	7.5—8	Surface tens. at 20°C, mN/m (Demineralised water)	23.0
Viscosity, cone and plate, mPa.s @ 20°C	20	Interfacial tens. with cyclohexane at 20°C, mN/m	3.0
@ 0°C	50	Low Expansion Foam (EN-1568-3)	
Freezing point, °C	<-15	Foam Expansion Index	9.0
Lowest temperature for use, °C	-15	25% Drainage Time, min:s	7:00
		Medium Expansion Foam (EN-1568-1)	
		Foam Expansion Index	> 125
		25% Drainage Time, min:s	>12:00

**5. SHIPPING.-** The product is supplied in 20 L PE prismatic containers or 200 L PE cylindrical drums or 1000L containers.



**6. PERFORMANCE.-** The H-930 has approval certification according to EN-1568-1 and EN-1568-3 with fresh and sea water (class IIIC). Below they are the results of some fire tests:

Standard	EN-1568-1		EN-1568-3	
Fuel	Heptane		Heptane	
Application	-		Gentle	
Dilution rate, %	2		2	
Water	fresh	salt	fresh	salt
Extinction	0:58	0:53	2:41	2:43
Burnback %, min:s	1%,1:55	1%,1:27	25%,13:30	25%,10:30
Classification	Pass	Pass	IIIC	IIIC

EN-1568-1/3 approval

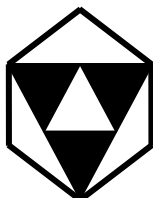
**7. COMPATIBILITY.-** The H-930 concentrate does not show compatibility problems with other concentrates used in the same applications, and its foam can be applied simultaneously with others.

**8. STORAGE.-** The foam concentrate shall be stored at temperatures between -15° and +50°C, preferably in their original containers, sealed. The product has not expiration date.

**9. 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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