

BIOFILM is a FluoroSynthetic foam AFFF  
GLYCOLS\* FREE

## CHARACTERISTICS

BIOFILM is a FluoroSynthetic foam AFFF exclusively formulated with surfactants without any glycols\*.

The removal of glycols\* give two key advantages:

- ⇒ **Environment** : the organic mass (COD) decreases and toxicity is eliminated.
- ⇒ **Efficiency** : BIOFILM decreases fuel pick-up in the foam, extinguishes faster and have a better burnback resistance.

BIOFILM can be premixed for sprinklers, bladder tanks,...

\* glycols : this general term refers to basic glycols (chemical wearing two alcohol groups), their ethers and their polymers. The most widely used in foam concentrates are: : EthyleneGlycol, ButylGlycol, ButylCarbitol, l'HexyleneGlycol, PropyleneGlycol, PEG.

## APPLICATION

BIOFILM can be used from 1% to 6% on hydrocarbons fires.

It can be used with tap water, hard water and sea water.

It is compatible with dry extinguishing powders.



<i>physical data</i>	BIOFILM 1	BIOFILM 3	BIOFILM 3S	BIOFILM 6	BIOFILM 6S
Concentration of use	1 %	3 %		6 %	
Specific gravity at 20°C (kg/dm <sup>3</sup> )	1.02	1.09	1.01	1.08	1.00
Ph at 20°C	8				
Viscosity at 20°C (cStokes)	10	6	2	4	2
Freezing point	- 12°C	- 16°C	- 8°C	- 16°C	- 6°C
Temperatures of use	<-10°C•+60°C>	<-15°C•+60°C>	<-5°C•+60°C>	<-15°C•+60°C>	<-5°C•+60°C>
Surface tension (mN/m)	17				
Interfacial tension (mN/m)	2				

## Specifications

BIOFILM meets international requirements and is classified as :

- Classe I-B in EN 1568-3
- FC/O nivel B
- GESIP

## Foam quality

	BIOFILM 1	BIOFILM 3	BIOFILM 3S	BIOFILM 6	BIOFILM 6S
Concentration of use	1%	3%		6%	
Low expansion* Drainage time 25 % / 50%	9 3,5 min				
Medium expansion*	50				
* Foam expansion depends on the equipment and nozzle					