

### DESCRIPTION

BIOFILM 1 is a fluorosynthetic foam AFFF formulated exclusively on a surfactant combination.

The film-forming property AFFF gives to BIOFILM 1 a high speed of extinction on hydrocarbon fires thanks to the aqueous film which insulates the fuel surface from the air. BIOFILM 1 can be premixed in sprinkler systems, bladder tanks...

▲ **Foaming power** : BIOFILM 1 is usable at Low Expansion. This fluid foam is not contaminated on hydrocarbons and enables a forceful application.

BIOFILM 1 is usable at Medium Expansion to create a foam blanket to protect against burnback.

▲ **Fuel fires** : BIOFILM 1 is efficient on all hydrocarbon fires, such as diesel, kerosene, petrol...

▲ **Environment** : BIOFILM 1 is easily biodegradable.

### PHYSICAL DATA

Appearance	yellow liquid
Specific gravity at 20°C	1.02 ± 0.02 Kg/dm <sup>3</sup>
pH at 20°C	8.0 ± 1.0
Viscosity at 20°C	11 ± 2 cStokes
Sediments	0 %
Surface tension at 1 %	17 ± 2 mN/m
Interfacial tension at 1 %	2 ± 1 mN/m
Freezing point	- 5°C
Temperature of use	- 3°C / + 50°C

### FOAM QUALITY AT 1 %

Low Expansion	> 7*
Drainage time 25 %	> 2 minutes
Medium Expansion	> 30*

\* Foam expansion values depend on the equipment



### PERFORMANCES & APPLICATIONS

BIOFILM 1 complies with standards :

- ▲ EN 1568-3
- ▲ Oil Industry : Lastfire certificate

BIOFILM 1 can be used with tap water, sea water and brackish water at 1% on hydrocarbon fires. It is compatible with dry extinguishing powders and it is suitable with all kind of known equipment.

### WARRANTY & SERVICES

BIOFILM 1 has a 10 years warranty in its original packaging and at storage temperatures -30°C/+60°C.

Our Quality Control Laboratory offers its analytical expertise BIO-LAB.

Safety Data and Environment Data are available upon request : [contact@bio-ex.fr](mailto:contact@bio-ex.fr)