

### DESCRIPTION

Environment-friendly, ECOPOL is the real alternative to traditional foam concentrates. This synthetic FFF (Fluorine Free Foam) AR foam concentrate, of new generation, is based on the combination of hydrophilic natural polymers and surfactants resistant to contamination.

ECOPOL is pseudoplastic : its viscosity decreases when it is agitated. This property authorizes its use even at low temperature and low pressure.

▲ **Foaming power** : ECOPOL is usable at Low, Medium and High Expansion.

The foaming base of ECOPOL is exclusively made from copra fatty acids, a natural re-growing resource.

▲ **Fuel fires** : ECOPOL is efficient on hydrocarbon fires and polar solvents fires. ECOPOL is approved as a 3X3.

ECOPOL has been successfully tested on numerous fires, such as acetone, methanol, isopropanol, THF, diethylether, toluene, ethylacetate...

ECOPOL can keep its water for a very long period. This outstanding property makes it highly efficient on polar solvents fires.

▲ **Wetting ability** : ECOPOL with its wetting ability from 0,3% to 1% is suitable for extinction on class A fires.

▲ **Environment** : ECOPOL is harmless for environment and totally biodegradable.

ECOPOL is totally fluorine-free.

### PHYSICAL DATA

Appearance	green gel
Specific gravity at 20°C	1.06 ± 0.02 Kg/dm <sup>3</sup>
pH at 20°C	7.0 ± 1.0
Viscosity* at 20°C	1500 ± 200 mPa.s
Sediments	< 0.1 %
Surface tension at 3 %	25 ± 2 mN/m
Freezing point	- 16°C
Temperature of use	- 10°C / + 50°C

\* *Viscometer Brookfield ; spindle #4 ; 60 rpm*

### FOAM QUALITY

#### Concentration of use at 3 %

Low Expansion	> 8*
Drainage time 25 %	> 10 minutes
Medium Expansion	> 60*
High Expansion	> 700*

\* *Foam expansion values depend on the equipment*



### PERFORMANCES & APPLICATIONS

ECOPOL complies with standards :

- ▲ EN 1568-1 ■ EN 1568-2 ■ EN 1568-3 ■ EN 1568-4
- ▲ Oil Industry : Lastfire certificates (hydrocarbon and polar solvents)
- ▲ Navy : Bureau Veritas certificate
- ▲ ICAO : level B

ECOPOL can be used with Compressed Air Foam systems (CAFs).

ECOPOL can be used with tap water, sea water and brackish water at 3% on hydrocarbon fires and on polar solvents fires.

It is suitable with all kind of known equipment.

### WARRANTY & SERVICES

ECOPOL 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)