

### DESCRIPTION

Environment-friendly, ECOPOL 3X6 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 3X6 is pseudoplastic: its viscosity decreases when it is agitated. This property authorizes its use even at low temperature and low pressure.

▲ **Foaming power:** ECOPOL 3X6 is usable at Low, Medium and High Expansion.

The foaming base of ECOPOL 3X6 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 3X6 has been successfully tested on numerous fires, such as acetone, methanol, isopropanol, THF, diethylether, toluene, ethylacetate...

ECOPOL 3X6 can keep its water for a very long period. This outstanding property makes it highly efficient on polar solvents fires.

▲ **Wetting ability:** ECOPOL 3X6 with its wetting ability from 0,3% to 1% is suitable for extinction on class A fires.

▲ **Environment:** ECOPOL 3X6 is harmless for environment and totally biodegradable.

ECOPOL 3X6 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*

#### Concentration of use at 6 %

Low Expansion	> 8*
Drainage time 25 %	> 30 minutes
Medium Expansion	> 120*
High Expansion	> 800*

\* *Foam expansion values depend on the equipment*



### PERFORMANCES & APPLICATIONS

ECOPOL 3X6 complies with standards :

- ▲ EN 1568-1 ■ EN 1568-2 ■ EN 1568-3 ■ EN 1568-4
- ▲ Oil Industry : Lastfire certificates
- ▲ Navy : Bureau Veritas certificate
- ▲ ICAO : level B

ECOPOL 3X6 can be used with Compressed Air Foam systems (CAFs).

ECOPOL 3X6 can be used with tap water, sea water and brackish water at 3% on hydrocarbon fires and at 6% on polar solvents fires.

It is suitable with all kind of known equipment.

### WARRANTY & SERVICES

ECOPOL 3X6 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)

**bio-ex s.a.s.**

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**TECHNICAL DATA**  
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