

DESCRIPTION

Environment-friendly, ECOPOL is the real alternative to traditional foam concentrates. This synthetic FFF (Fluorocompound-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 and a 3X6, enabling to select the concentration of use at 3% or 6% depending on the proportioning system chosen.

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.

▲ **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 ³
pH at 20°C	7.0 ± 1.0
Viscosity* at 20°C	1300 mPa.s
Viscosity* at -10°C	1600 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 % / 50 %	15 minutes / 25 minutes
Medium Expansion	60*
High Expansion	800*

Concentration of use at 6 %

Low Expansion	9*
Drainage time 25 % / 50 %	30 minutes / 60 minutes
Medium Expansion	130*

* *Foam expansion values depend on the equipment*



PERFORMANCES & APPLICATIONS

ECOPOL complies with standards :

- ▲ EN 1568-1 ■ EN 1568-2 ■ EN 1568-3 : class IIIB ■ EN 1568-4 : class IA ■ ISO 7203-3
- ▲ Oil Industry : Lastfire certificates (hydrocarbon and polar solvents)
- ▲ Navy : Bureau Veritas certificate
- ▲ ICAO : level B

ECOPOL can be used with tap water, sea water and brackish water at 3% on hydrocarbon fires and of 3 at 6% 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