

A black and white photograph of an oil pumpjack in the foreground, with a large, dense spray of white foam being emitted from its side. The background shows a hazy landscape with hills and a building.

BIOEX[®]

● *High Performance Foams*

ECOPOL PREMIUM

HYDROCARBON AND POLAR SOLVENT FIRES

**FLUORINE FREE AR SYNTHETIC MULTI-RISK
FOAM CONCENTRATE**

- High fire performances according to applicable standard
- Polyvalent AR (Alcohol Resistant)
- Ecological (Fluorine-Free Foam)
- Fully biodegradable

ECOPOL PREMIUM

A FLUORINE-FREE FOAM CONCENTRATE AS EFFICIENT AS THE BEST AR-AFFF!

• **2002:** At BIOEX we were convinced of the harmfulness of fluorine derivatives and were already working to preserve our environment by launching ECOPOL, the first fluorine-free multi-purpose foam concentrate.

• **2017:** BIOEX launched the new formula **ECOPOL PREMIUM** to achieve the best performance classification:

- > On hydrocarbon fires : **Certified 1A/1A EN 1568-3**
- > On polar solvent fires: **Certified 1A/1A EN 1568-4.**

• **2023:** BIOEX get a new **ECOPOL PREMIUM** low viscosity formula UL162 listed

THE BEST EFFICIENCY ON HYDROCARBON AND POLAR SOLVENT FIRES!

• The extinguishing effectiveness of **ECOPOL PREMIUM** on hydrocarbon fires can be compared to an AFFF foam concentrate (Aqueous Film Forming Foam) that contains fluorine. The multi-purpose AR (Alcohol Resistant) foam concentrate works by generating a protective gel film on the surface of all types of flammable polar solvent liquids.

• **ECOPOL PREMIUM** provides exceptional resistance to burn back similar to fluoro protein concentrates.

A HIGHLY FOAMING POWER WHICH INCREASES THE EFFECTIVENESS!

The adhesive nature of the foam generated, combined with its slow drainage time, allows durable adherence on vertical surfaces. **ECOPOL PREMIUM** is efficient on solid fires by its wetting and foaming properties



ENVIRONMENT

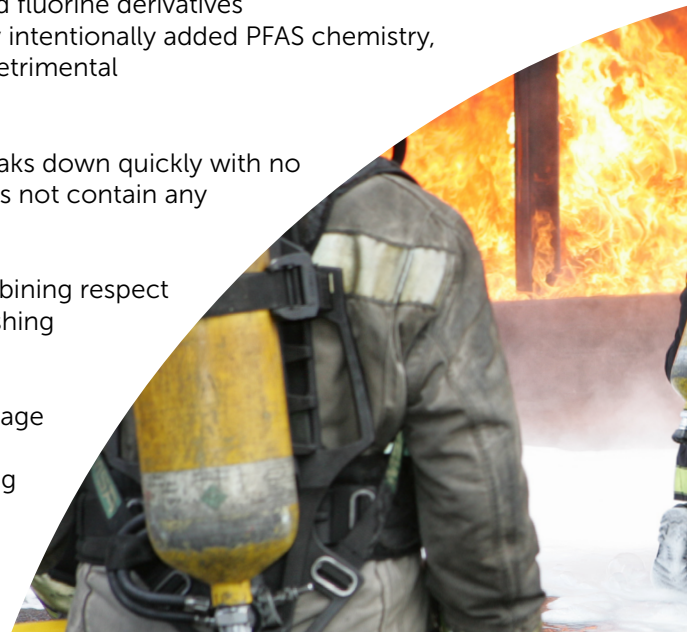
*AS A TOTALLY FLUORINE-FREE FOAM CONCENTRATE, **ECOPOL PREMIUM** IS NOT CONCERNED BY CURRENT OR FORTHCOMING REGULATORY CONTROLS ON THE PROHIBITION ON PRODUCTS CONTAINING FLUORINE DERIVATIVES.*

• **ECOPOL PREMIUM** is completely free of siloxane and fluorine derivatives (PFC, PFT and PFAS). It means that it does not have any intentionally added PFAS chemistry, recognised as persistent in the environment, that are detrimental as bioaccumulables and toxic to living organisms.

• **ECOPOL PREMIUM** is classified biodegradable. It breaks down quickly with no PBT (Persistent Bioaccumulable Toxic) residue and does not contain any halogen derivatives.

• The use of **ECOPOL PREMIUM** is the alternative combining respect of the environment with a highly effective fire extinguishing capability.

• Depending upon the absorption capacity of your sewage treatment plant and your spillage agreement, **ECOPOL PREMIUM** can be eliminated without resorting to incineration.





EFFECTIVENESS ON FIRES

- Efficiency in direct application equal to AFFF foam concentrates
- Exceptional quality of the protective gel film on polar solvents
- Resistance to reignition as reliable as the best protein based foams
- As efficient with fresh water as sea water
- 100 % free of fluorine derivatives (without PFC, PFT, PFOA and PFOS)



EXTINGUISHING PERFORMANCES

CERTIFICATIONS:

- Equivalent to the best AFFF: certified 1A / 1A - EN 1568-3
- Highest AR classification: certified 1A / 1A - EN 1568-4
- Burn back resistance equal to the best fluoro-protein foams
- Effective at Medium Expansion (certified EN 1568-1) and High Expansion (certified EN 1568-2)
- Effective on class A and B fires
- Effective on Class B fires: GESIP certified 2 L/m²/min on hydrocarbons and qualified on polar solvents (ECOPOL 3 PREMIUM)
- Class A : CEREN certificate
- UL 162 listed

USE:

- Effective on industrial fires: landfills, plastics, tyres, etc.
- Effective on hydrocarbon fires: fuel, diesel oil, petrol, kerosene, etc.
- Effective on polar solvent fires: alcohols, ketones, ethers etc.
- Effective on urban fires: waste bins, furniture, textiles, etc.
- Effective at Low, Medium and High Expansion.
- Compatible with most dosing systems.
- Can be used with mobile and fixed fire fighting systems.



**10-YEAR
WARRANTY**

ECOPOL PREMIUM

YOUR HIGH PERFORMANCE ECOLOGICAL SOLUTION

CERTIFICATIONS:

- European standards: EN 1568 parts 1. 2. 3. 4

ECOPOL PREMIUM		3 x 3 % Version	3 x 6 % Version
EN 1568-1		Conform	Conform
EN 1568-2		Conform	Conform
EN 1568-3	Fresh water	1A	1A
	Sea Sea	1A	1A
EN 1568-4	Fresh water	1A	1A
	Sea water	1A	1A

- Class A : CEREN certificate
- Industry: GESIP 2L/m²/min, LASTFIRE
- International standards: UL 162

10-year warranty

THEY CHOSE ECOPOL:

Recognized names in the oil and chemical industry, pharmaceutical industry, aviation, marine, and fire and rescue services... are confident using it.



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