

BIOEX[®]

● *High performance foams*

ECOPOL

CLASS A AND B FIRES

AR FLUORINE-FREE SYNTHETIC FOAM

CONCENTRATE ALL-RISKS / MULTI-APPLICATIONS

- Polyvalent AR (Alcohol Resistant)
- Effective on hydrocarbon fires
- Applicable on toxic vapours
- High Expansion foam
- Ecological (fluorine-free)



ECOPOL

THE first fluorine free foam concentrate in the world!

In 2002, convinced of the harmfulness of all fluorinated compounds, **BIOEX** developed an alternative solution and launched **ECOPOL!**

Formulated using a 100% natural surfactant base, **its multi-application versatility does not prevent the high effectiveness of its extinguishing capability.**

Effective on class A fires!

Its affinity for solid supports, combined with its high wetting capability gives **ECOPOL** high extinguishing performances on all class A fires.

Effective on hydrocarbon and polar solvent fires!

The multi-purpose AR (Alcohol Resistant) property consists in generating a protective gel film at the surface of all types of inflammable polar liquids and provides an exceptional resistance to re-ignition.

The extinguishing effectiveness of **ECOPOL** on a hydrocarbon fires can be compared to an AFFF foam concentrate (Aqueous Film Forming Foam) containing fluorine.

Applicable on toxic vapours!

The mechanically insulating property of the foam generated using **ECOPOL** is especially effective, and can also be used to contain the toxic vapours of some solvents that react to water.

Highly efficient foaming power!

The adhesive nature of the foam generated makes it possible for it to adhere to vertical surfaces for an extended period.

As examples, it can be applied as a protective fire barrier to durably cool down plane fuselages, or as a wide strip during a forest fire to make the vegetation fire proof and stop the progression of the fire.

ECOPOL also generates an exceptionally high **Expansion foam**. It is therefore recommended to drown large volumes, such as hangars, warehouses, ship's holds, car parks, etc.



ENVIRONMENT

- **ECOPOL** is completely free of fluorine derivatives (PFC, PFT and PFAS) recognised as persistent in the environment, that are detrimental as bioaccumulables and toxic to living organisms.
- **ECOPOL** 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** 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** can be eliminated without resorting to incineration.





EFFECTIVENESS ON FIRES

- Effective on all types of hydrocarbon and polar solvent fires
- Effective on class A fires
- Best quality of the high expansion foam
- The adhesive nature of the foam generated adhere to vertical surfaces for an extended period



EXTINGUISHING PERFORMANCES

CERTIFICATIONS:

- European standards: EN 1568 1-2-3-4.
- Oil industry: GESIP - LASTFIRE.
- Marine: VERITAS.
- High expansion: APSAD R12.
- Aviation: ICAO level B.
- Class A: CEREN Certificate.

FEATURES:

- Can be used starting from 0.3% on class A fires.
- Can be used at 3% on hydrocarbon and polar solvent fires.
- 6% version available upon request.

USE:

- Effective at Low, Medium and High Expansion.
- Effective on class A fires: Forest fires (brush, trees...) and Urban fires (apartments, houses, farms, warehouses, vehicles...).
- Effective on industrial fires: Landfills, textiles, plastics, tyres...
- Effective on hydrocarbon fires such as fuel, diesel oil, petrol, kerosene, etc.
- Effective on polar solvent fires such as alcohol, ketones, ethers, etc.
- Applicable to retain the release of gases: Acids HCl, NH₃... used with Medium Expansion.
- Compatible with all dosage systems (contains corrosion inhibitors).
- Can be used in mobile and fixed fire fighting systems (foam box, High Expansion generators, fire hose stations, CAFS systems, etc.).



**10-YEAR
WARRANTY**

ECOPOL

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THEY CHOSE ECOPOL:

Recognized names of oil and chemical industry, pharmaceutical industry, aviation, marine, fire brigades... are confident using it.



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