



# **BIOEX<sup>®</sup>**

● *High performance foams*

## **FIREFIGHTING FOAM CONCENTRATES**

High performance foams:  
**OUR COMMITMENT**

Preserve the environment:  
**YOUR CHOICE**

**[www.bio-ex.com](http://www.bio-ex.com)**



## ABOUT BIOEX

**BIOEX** is a leading company in design, manufacturing and distribution of firefighting foam. Based nearby Lyon (France) since 1998, **BIOEX** supplies a wide range of fluorine-free and C6 fluorinated firefighting foam concentrates. Whatever fire risks faced by fire departments and industries (such as oil & gas companies, chemical industries, airports, maritime terminals and waste treatment plants), customers can rely on **BIOEX** foam concentrates' quality and efficiency. Innovation and technical expertise allowed **BIOEX** products to be chosen by major fire response organizations worldwide.

In 2020, **BIOEX** moved in new facility to expand its production, storage and distribution capacities. Fluorine-free and fluorinated production processes are separated, in order to guarantee environmentally friendly products, free of fluorinated compounds. The company, composed of a team of foam expert and passionate people, is focused on customer satisfaction and immediate service. **BIOEX** prioritize customer deadlines, ensure its service reliability and respect health, safety, ethical and environmental rules. The company is ISO 9001 v2015 certified.

**BIOEX** is part of the **LEADER group**, an expert in firefighting equipment manufacturing such as nozzles, monitors, foam inductors, high expansion foam generators, fans, search & rescue, thermal imaging cameras... The group has an international presence with its subsidiaries LEADER SAS in France, LEADER GmbH in Germany, LEADER China in China, TEMPEST Technology in the USA, LEADER Photonics in Austria and BIOEX GmbH in Germany.



### ENVIRONMENTAL ISSUE

The use of **PFASs fluorinated compounds** in firefighting foams is increasingly regulated. PFOS and PFOA have been classified as Persistent Organic Pollutants by the Stockholm Convention, respectively since 2009 and 2019. They have strong impact on the environment and living organisms and are toxic for both human and wildlife.

**Fluorine-free foams** are viable alternative to fluorinated foams, to preserve the environment and protect human lives. Many sectors have already transitioned or are transitioning to fluorine-free foams.



### RESEARCH & DEVELOPMENT

**BIOEX** is a pioneer in **environmentally friendly firefighting foams (PFAS-free)**. In 2002, **BIOEX** launched the **1st fluorine-free foam into the market**. The company still continues to innovate and develop new highly efficient fluorine-free foams following internal R&D studies.

**BIOEX** offers **ecological and viable alternatives** to fluorinated foams with an **excellent level of performance and reliability**. Our fluorine-free foams are easily biodegradable and will not persist in the environment or living organisms.



### WIDE RANGE OF FOAM CONCENTRATES

**BIOEX** foam concentrates perform on **class A and class B fires**. They provide **quick fire suppression and prevent reignition**.

**BIOEX** offers a wide range of foam concentrates, which may be used in low, medium and high expansion and freeze-protected (up to -30°C). Our newtonian and non-Newtonian foam concentrates are compatible with most of foam induction and foam making equipment to meet your fire response requirements:

- FFF (F3): Fluorine-Free Foam
- AR-FFF: Alcohol-Resistant Fluorine-Free Foam
- AFFF: Aqueous Film Forming Foam with latest C6 fluorosurfactants
- AR-AFFF: Alcohol-Resistant Aqueous Film Forming Foam with latest C6 fluorosurfactants
- Class A foam
- High expansion foam
- Training foam
- Foam for fire extinguishers



### WARRANTIED EFFICIENCY AND QUALITY

**BIOEX** high performance foams are **approved by independent laboratories and meet latest international standards**: EN1568, UL, NFPA, ICAO, LASTFIRE, USDA Forest Service, IMO, GESIP, CEREN, GREENSCREEN...

They are proven to have excellent stability over time. Synthetic foams include a **10-year warranty**.





## ADAPTED TO SPECIFIC APPLICATIONS

**BIOEX** has a strong knowledge of main fire risk scenarios and firefighting requirements in different industries.



Oil & Gas Industry



Chemical Industry



Aviation



Marine



Fire departments



Waste management



Training



Fire extinguishers

## SERVICES

**BIOEX** supports firefighting professionals in their daily choices, to provide customer assistance and ensure they have the best foam concentrate for their fire response. New foam concentrates can be created on demand.



### 24/7 EMERGENCY FOAM SERVICE

**+33 (0)4 74 70 28 54**

- **BIO-24:** in case of emergency, or foam concentrate express delivery needs, BIOEX-24 global emergency service operates 24 hours a day, 7 days a week service
- **Permanent stocks** of versatile foams are available in less than 1 hour at several locations around the world



### FOAM TESTING SERVICE

- **BIO LAB service:** laboratory analysis and test of **BIOEX** and other foam concentrates
- **Small scale and large-scale fire extinguishment tests** according to international standards



### TRANSITION TO FLUORINE-FREE FOAM

**BIOEX** supports firefighting professionals in their switch to Fluorine-Free Foam and AFFF foam disposal.

## THEY TRUST US

Major industries and fire departments across the world are confident using BIOEX firefighting foams, among them: INOVYN, PETRONAS, SOLVAY, SONATRACH, RUBIS, OIL TANKING, DOW, ARKEMA, MICHELIN, LISBON AIRPORT, PARIS AIRPORT, MANCHESTER AIRPORT, COPENHAGEN PORT, GESIP AND FIRE DEPARTMENTS (in PARIS and FRANCE, KUWAIT, SAUDI ARABIA, SPAIN, GERMANY, UK...)...

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