

Fluorine Free Foam Concentrates



fomtec
Fire Fighting Foams & Equipment



enviro
by fomtec

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Enviro by Fomtec

Why develop SFFF concentrates?

Since 3M stopped making firefighting foams in 2000 we have seen increasing restrictions and supporting legislation against specific PFAS chemicals used in the manufacture or fluorinated foam concentrates or their decomposition products when dispersed back to the environment. This already led to transition from C8 to C6 chemistry for fluorinated foams in 2016, but now a number of countries around the world, or states / areas within a country are adopting legislation or policies that restrict or ban the use of the shorter chain fluorinated foams. The message is clear the future firefighting foam concentrates NEED to be Fluorine Free !

The Fomtec Enviro Programme

Since Fomtec was started in 2001 the product offering has always included Fluorine Free foams in the pure protein based, multi-purpose synthetic foams for medium and high expansion applications, as well as Class A and Training foams. In 2010 Fomtec commenced the "Enviro Programme" which was the Research & Development work towards a high performance Class B Fluorine Free foam. Some 3500+ fire performance tests by Fomtec has brought to market a range of Fluorine Free foam concentrates which are marketed under the "Enviro by Fomtec" branding.

Enviro by Fomtec

With many years experience of developing fluorinated foams for the varied and different applications found within both the Emergency Response and Foam Systems missions Fomtec

early on recognised that a range of Fluorine Free foams was required to meet the different applications as well as budgets of the clients.

Fomtec will be the first to state that fluorine free foam concentrates are in many instances NOT drop-in replacements for fluorinated foams but when used in concert with tested and approved hardware they can be deployed to successfully meet the mission requirements. With any mission when firefighting foam is deployed the ideal situation is when 100% of the foam can be contained. Fomtec is well aware that in many emergency response missions containment is just not possible and accordingly the Enviro range of foam concentrates are formulated to minimise environmental impact and well as providing good firefighting performance.

Whether Emergency Response or Foam System within Aviation, ARFF, Industrial, Marine, Military, Municipal FRS, Wildland or Testing & Training there is an Enviro product to meet and exceed the mission requirements. Enviro products have been evaluated against appropriate international standards and have third party approvals for use with storage, proportioning and discharge devices.

International Standards & Approvals

Fomtec Enviro products are tested against appropriate International Standards and offered with approvals applicable for the applications and missions, whether these be for Emergency Response / Mobile firefighting or used in Fixed Foam Systems. These approvals include FM 5130, UL 162, EN 1568-3 & -4, ICAO, IMO, US Forestry Service QPL, MIL-PRF-32725(2).



Enviro Foam Applications

Fluorine Free Foam	ARFF	Municipal FRS	Oil, Gas & Petrochemical	Aviation & Industrial	Marine & Offshore	Military	Wildland
Fomtec Enviro USP VdS	✓	✓	✓	✓	✓ see note 1	✓	
Fomtec Enviro ARK VdS		✓ see note 2	✓	✓			
Fomtec Enviro SPX1% VdS				✓ see note 8			
Fomtec Enviro 3x3 NEO	✓		✓	✓	✓	✓	
Fomtec Enviro AIR	✓			✓		✓	
Fomtec Enviro SEA 1%, 3%, 6%					✓		
Fomtec Enviro MIL	✓					✓	
Fomtec Enviro 3x3 Plus		✓	✓	✓			
Fomtec Enviro 3x6 Plus		✓	✓	✓			
Fomtec Enviro 6x6 Plus		✓	✓	✓			
Fomtec Enviro 3x3 Ultra		✓	✓	✓ see note 5	✓		
Fomtec Enviro 3% ICAO	✓			✓			
Fomtec Enviro FORCE	✓					✓	
Fomtec Enviro ERS	✓ see note 6	✓	✓	✓	✓ see note 1		
Fomtec Enviro Ultra		✓ see note 2	✓	✓			
Fomtec Enviro Class A		✓					✓
Fomtec Enviro eMax		✓ see note 3		✓ see note 4			
Fomtec LS xMax		✓	✓	✓	✓		
Fomtec LS EXP			✓	✓	✓		
Fomtec MB-20		✓	✓	✓	✓		
Fomtec P 3%		✓	✓		✓		
Fomtec P 6%		✓	✓		✓		
Fomtec P 3% AR			✓		✓		
Fomtec Trainer E-lite	✓ see note 7	✓ see note 7	✓ see note 7	✓ see note 7	✓ see note 7	✓ see note 7	✓ see note 7
Fomtec 3x3 Super		✓	✓				

Notes:

1. Saltwater performance to IMO at 6%
2. Appropriate when a Municipal FRS provides support to Oil, Gas, Petrochemical facilities where the highest performing alcohol resistant foam is required
3. Appropriate when a multi purpose (LEX, MEX and HIEX) foam is required

4. Appropriate for multi purpose applications where polar solvents may be present
5. Saltwater performance at 3%. Product is GESIP approved and tested to LASTFIRE test protocol
6. ICAO certification pending
7. Trainer E-lite is appropriate for all applications where firefighting training is carried out
8. VdS approved for usage with sprinklers on plastic

About Fomtec

Dafo Fomtec AB is a privately owned company manufacturing and supplying firefighting foam and associated foam equipment. Our head office is located in Stockholm, Sweden, with the main manufacturing facility in Helsingborg in the south of Sweden. Fomtec Inc. is a wholly owned subsidiary of Dafo Fomtec AB and was established in 2018 when Fomtec started to manufacture part of the Enviro range of Fluorine Free Foam Concentrates in the U.S.A. Dafo Fomtec AB also supports foam blending operations with distribution partners in South Africa, United Arab Emirates and Saudi Arabia. Fomtec is committed to meet and exceed the standards we set behind our company logo of

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From the selection of our raw materials and suppliers, to minimising emissions and environmental impact from our manufacturing processes our foam concentrates, associated documentation and accreditation is fully compliant with prevailing legislation within the countries where the products are promoted and sold. Our commitment to our customers covers promoting the best performing product for their application, and supporting our customers with on time delivery from our manufacturing facilities or strategically located storage facilities.



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