FOMTEC® FP 6%
FP Foam Concentrate

Fomtec©
FP 6%

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Fomtec FP 6% is a fluoro-protein foam concentrate (FP) consisting of hydrolysed protein hydrolysate and a blend of fluorocarbon-, hydrocarbon surfactants, various solvents and stabilisers. All Fomtec FP foam concentrates are formulated with 100% C6 Pure fluoro-surfactants. On hydrocarbon fuels, Fomtec FP 6% forms a foam blanket to cut off oxygen supply to the fire and the oleophobic properties of the foam enables a stable foam blanket to prevent reignition of the fire.

- Short chain C6 Pure fluorochemistry
- Approved according to EN 1568
- Freeze protected
- Suitable for Class A and B fires
- Low and medium expansion foam

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DESCRIPTION

Fomtec FP 6% should be used at a 6% proportioning ratio (6 parts concentrate and 94 parts of water) for both hydrocarbon and polar solvent fuels. May be used with all water types.
For use on Class A type fires, a proportioning ratio of 0,3% to 1% is recommended depending on application and discharge device.

APPLICATION

Fomtec FP 6% is tested according EN 1568 for use on class B hydrocarbon fuel fires such as oil. Can also be used on class A fires such as wood, paper, textiles etc.
Typical applications include high risk installations such as:

- Tank protection
- Foam systems
- Civil defence

FIRE PERFORMANCE & FOAMING

The fire performance of this product has been tested and documented according to the "International Approvals" stated in this document. The use of the product should follow design guidelines appropriate to the type of system and application.
The foaming properties are depending on equipment used and other variables such as water and ambient temperatures.
Average expansion 5:1, average 25% drainage time 3:00 minutes using UNI 86 test nozzle according to EN 1568-3.

EQUIPMENT

Fomtec FP 6% can easily be proportioned at the correct ratio using conventional proportioning equipment. The equipment should be designed to the foam type.
Fomtec FP 6% is suitable for use with Type II (gentle application) and Type III (direct application) discharge devices as well as sprinklers according to EN 13565-2. It can be used in low and medium expansion applications with all conventional aspirating and non-aspirating discharge devices.
Fomtec FP 6% is also suitable for use in CAF-systems.

COMPATIBILITY

Fomtec FP 6% can be used together with foam compatible powders and other expanded foams.
It is suitable for all water types.
For mixing with other foam concentrates, contact Fomtec for advise and guidance. For material compatibility please refer to Fomtec Technical Advices FTA 20 addressing the topic.

TYPICAL DATA	
Appearance	Dark brownish
Specific gravity at 20°C	1,15 ± 0,020 g/ml
Viscosity at 20°C spindle #4, 60 rpm	< 15 mPas
pH	6,0 - 8,5
Freezing point	-15°C
Recommended storage temperature	-14°C - 55°C
Suspended sediment (v/v)	< 0,2%

ENVIRONMENTAL

Fomtec FP 6% is formulated using raw materials specially selected for their fire performance and their environmental profile. All raw materials are registered in the European REACH-database. Fomtec FP 6% is non-toxic, biodegradable and each individual component is fully tested and documented. Fomtec only uses C6 Pure fluoro-surfactants in our FP formulations. Our FP products contains no PFOS or PFOA in accordance with US EPA Stewardship Programme 2010/15 and EU Directive 2017/1000. More details can be found in the Material Safety Datasheet (MSDS).
The disposal of spills of foam concentrate or premix foam solution should be made in accordance with local regulations. For more detailed information please consult Fomtec Technical Advices FTA 40.

STORAGE / SHELF LIFE

Stored in original unbroken packaging the product will have a long shelf life. Shelf life in excess of 5 years will be found in temperate climates. As with all foam concentrates, shelf life will be dependent on storage temperatures and conditions. For storage recommendations and material compatibility please refer to Fomtec Technical Advices FTA 10 addressing the topic.

INSPECTION/TESTING/ MAINTENANCE

All foam concentrates should be tested annually. Testing should be carried out by an approved laboratory certified to assess firefighting foam quality according to relevant standards, such as NFPA 11, EN 13565-2, EN 1568 and IMO MSC.1Circ. 1312. Storage containers should be inspected and reevaluated for the suitability of the storage location regarding temperature fluctuations (temperature should be as stable as possible). Exposure to direct sunlight should be avoided.

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PACKAGING

We supply this product in 25 litre and 5 US gallon cans, 200 litre and 55 US gallon drums, 1000 litre and 265 US gallon IBC containers. Larger bulk supply is available against special request.

Volume per piece	Packaging	Part no	Approx. shipping weight*	Dimensions (mm) L x W x H
25 ltr	Can	13-6006-01	30,2 kg	295 x 260 x 441
200 ltr	Drum	13-6006-02	240,5 kg	581 x 581 x 935
1000 ltr	Container	13-6006-04	1220 kg	1200 x 1000 x 1150
5 US gal.	Can	13-6006-XX	22,9 kg	295 x 260 x 441
55 US gal.	Drum	13-6006-XX	250,2 kg	581 x 581 x 935
265 US gal.	Container	13-6006-XX	1225 kg	1200 x 1000 x1150
Bulk	Special request	13-6006-XX		

** including packaging.*

INTERNATIONAL APPROVAL

- EN 1568 part 3
  Class IIA on both fresh and sea water
- Lastfire protocol

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