



Fomtec® AFFF 6% Ultra

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Fomtec AFFF 6% Ultra is an aqueous film forming foam concentrate (AFFF) consisting of a blend of fluorocarbon-, hydrocarbon surfactants and various solvents and stabilisers. Only C6 Pure fluorosurfactants are used in Fomtec AFFF-formulations. Fomtec AFFF 6% Ultra utilises the unique film forming effect to cut off oxygen supply to the fire and the oleophobic properties of the foam enables a stable foam blanket to suppress reignition of the fire.

- Short chain C6 Pure fluorochemistry
- Approved to UL 162, ULC and GOST
- Suitable for Class A and B fires
- Low and medium expansion foam



DESCRIPTION

Fomtec AFFF 6% Ultra should be used at 6% proportioning (6 parts concentrate and 94 parts of water). May be used with all water types. Fomtec AFFF 6% can be stored as premix when blended with fresh water.

For use on Class A type fires, induction ratio of 1% to 2% is recommended depending on application and discharge device.

APPLICATION

Fomtec AFFF 6% Ultra is tested according to UL 162 for use on class B hydrocarbon fuel fires such as oil, diesel, gasoline and aviation fuels. Fomtec AFFF 6% Ultra can be used with all kinds of low and medium expansion devices

Fomtec AFFF 6% Ultra is effective against class A fires such as wood, paper, textiles etc.

Typical applications include high risk installations such as:

- Process industry
- Industrial Foam systems
- Civil defence

Suitable for mobile firefighting by use of aspirating foam discharge devices such as foam branchpipes and monitors, where application rates and technique can be adjusted to the specifics of each incident. If the product is used in a fixed system the design should be based on recommended minimum application rates, application duration and type of discharge devices.

FIRE PERFORMANCE & FOAMING

The fire performance of this product has been measured and documented according to "International Approvals" stated in this document. The design parameters depend on type of system and application. The use of the product should follow design guidelines. The foaming properties are depending on equipment used and other variables such as water and ambient temperatures.

EQUIPMENT

Fomtec AFFF 6% Ultra can easily be proportioned at the correct ratio using conventional proportioning equipment. The equipment should be designed to the foam type. Fomtec AFFF 6% Ultra is suitable for use in 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 AFFF 6% Ultra is also suitable for use in CAF-systems.

TYPICAL DATA

Appearance	Pale yellow liquid
Specific gravity at 20°C	1,010 ± 0,020 g/ml
Viscosity at 20°C spindle #1, 60 rpm	≤ 15 mPa·s
pH	7,6 – 8,6
Freezing point	-1°C
UL-listed temperature range*	1,7°C to 49°C
Recommended storage temperature	0°C - 55°C
Suspended sediment (v/v)	< 0,1%

*This product is tested according to UL-standard and has passed the specific circumstances in the test.

COMPATIBILITY

Fomtec AFFF 6% Ultra can be used together with foam compatible powders and other expanded foams.

It is suited for all water types.

For mixing with other concentrates, contact Fomtec for advice and guidance. For material compatibility please refer to our Fomtec Technical Advices FTA 20 addressing the topic.

ENVIRONMENTAL

Fomtec AFFF 6% Ultra is formulated using raw materials specially selected for their fire performance and their environmental profile. All raw materials are registered in European REACH-database. Fomtec AFFF 6% Ultra is non-toxic, biodegradable and each individual component is fully tested and documented.

Fomtec only use C6 Pure fluorosurfactants in our AFFF formulations. Our film forming (AFFF) 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 concentrate or premix foam solution should be made in accordance with local regulations. For more detailed information please consult our 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 10 years will be found in temperate climates. As with all foams, shelf life will be dependent on storage temperatures and conditions.

For storage recommendations and material compatibility please refer to our Fomtec Technical Advices FTA 10 addressing the topic.

INSPECTION/TESTING/ MAINTENANCE

All foam concentrate should be tested annually. The testing should be made by an approved laboratory certified to assess firefighting foam quality according to relevant standards, such as NFPA 11 or EN 13565-2.

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.

PACKAGING

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



Volume per piece	Packaging	Part no	Approx. shipping weight*	Dimensions (mm) L x W x H
25 ltr	Can	10-6020-01	26,6 kg	295 x 260 x441
200 ltr	Drum	10-6020-02	211,8 kg	581x 581 x 935
1000 ltr	Container	10-6020-04	1076 kg	1200 x1000 x1150
5 US gal.	Can	10-6020-XX	20,2 kg	295 x 260 x 441
55 US gal.	Drum	10-6020-XX	221,3 kg	581 x 581 x 935
265 US gal.	Container	10-6020-XX	1080 kg	1200 x1000 x1150
Bulk	Special request			

* including packaging.

INTERNATIONAL APPROVALS

- UL 162 7th Edition
- ULC for Canada
- GOST