



Fomtec® AFFF 6% ICAO

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Fomtec AFFF 6% ICAO is an aqueous film forming foam concentrate (AFFF) consisting of a blend of fluorocarbon-, hydrocarbon surfactants and various solvents and stabilisers. Only C6 Pure fluoro-surfactants are used in Fomtec AFFF-formulations. Fomtec AFFF 6% ICAO 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 ICAO Level B and ICAO level C
- Suitable for Class A and B fires
- Low and medium expansion foam



DESCRIPTION

Fomtec AFFF 6% ICAO should be used at 6% proportioning (6 part concentrate and 94 parts of water). May be used with all water types. Fomtec AFFF 6% ICAO 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% ICAO has been tested according to ICAO Airport Service Manual for use on class B hydrocarbon jet fuel fires. Fomtec AFFF 6% ICAO can be used with all kinds of low and medium expansion devices.

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

Typical applications include high risk installations such as:

- Airports and ARFF-vehicles

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. Average expansion 8:1, average 25% drainage time 3:10 minutes using UNI 86 test nozzle according to EN 1568-3.

EQUIPMENT

Fomtec AFFF 6% ICAO can easily be proportioned at the correct ratio using conventional proportioning equipment used in ARFF-vehicles.

Fomtec AFFF 6% ICAO is also suitable for use in CAF-systems.

COMPATIBILITY

Fomtec AFFF 6% ICAO can be used together with foam compatible powders and other expanded foams. It is suited for all water types.

TYPICAL DATA

Appearance	Pale yellow liquid
Specific gravity at 20°C	1,015 ± 0,010 g/ml
Viscosity at 20°C spindle #1, 60 rpm	≤ 15 mPa·s
pH	6,5 – 8,5
Freezing point	-2°C
Recommended storage temperature	-1°C to 55°C
Suspended sediment (v/v)	< 0,1%

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

ENVIRONMENTAL

Fomtec AFFF 6% ICAO 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% ICAO is non-toxic, bio-degradable 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 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 II, EN 13565-2, EN 1568 or ICAO. 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	10-6030-01	26,8 kg	295 x 260 x441
200 ltr	Drum	10-6030-02	213,3 kg	581x 581 x 935
1000 ltr	Container	10-6030-04	1085 kg	1200 x1000 x1150
5 US gal.	Can	10-6030-XX	20,4 kg	295 x 260 x 441
55 US gal.	Drum	10-6030-XX	222,9 kg	581 x 581 x 935
265 US gal.	Container	10-6030-XX	1090 kg	1200 x1000 x1150
Bulk	Special request			

* including packaging.

INTERNATIONAL APPROVAL

- ICAO Level B (4th Edition 2014)
- ICAO Level C (4th Edition 2014)

