

AFFF 3% (ICAO) FOAM CONCENTRATE

Description

Fomtec AFFF 3% (ICAO) is an aqueous film forming foam concentrate (AFFF) consisting of fluorocarbon and hydrocarbon surfactants blended with various solvents, preservatives and stabilisers.

The foam forms an aqueous film that rapidly cuts off the oxygen supply and thus knocks down the fire. The expanded foam from which the film is drained forms a stable blanket that suppresses the release of flammable vapours and cools down the fuel surface extinguishing the fire and preventing re-ignition.

The low surface tension of the water foam concentrate solution enables the aqueous film, although heavier than the burning liquid, to float on top of the liquid surface.

Fomtec AFFF 3% (ICAO) should be used at 3% proportioned solution (3 part concentrate in 97 parts of water) in fresh or seawater. It may also be stored as a pre mix solution in fresh water.

Application

Fomtec AFFF 3% (ICAO) is intended for use on class B hydrocarbon fuel fires such as oil, diesel and aviation fuels. It can be used with both aspirating and non-aspirating discharge devices.

Fomtec AFFF 3% (ICAO) is especially suited whenever rapid fire knock-down is essential. It is compatible with all dry chemical powders and can be used in powder/foam twin agent systems. Its excellent wetting characteristics make it useful in combating class A fires as well.

Fire Performance & Foaming

The fire performance of Fomtec AFFF 3% (ICAO) has been tested in accordance with ICAO specifications (CAP 168), UK Ministry Of Defense standard 42/40 and EN1568 part 3 at 3% proportioning. Foaming index no less than 7:1 (normally 8:1). 25% drainage time no less than 3.5 minutes (normally 4.0 minutes).

Proportioning

Fomtec AFFF 3% (ICAO) can easily be proportioned at the correct dilution using conventional equipment such as:

- Inline inductors.
- Balanced pressure, variable flow proportioning systems.
- Bladder tanks.
- Around the pump proportioning systems.
- Water turbine driven foam proportioners.
- Self inducing branch pipes and nozzles.

Technical data

Appearance	Clear Amber Liquid
Specific gravity @ 20°C	1.01 +/- 0.01 g/ml
Viscosity @ 20°C	< 10 cSt
pH	7.5 +/- 1.0
Freezing point	- 5°C
Pour point	- 3°C
Suspended sediment (v/v)	Less than 0.2 %
Surface tension	Less than 20 dynes/cm

Storage/Shelf Life

Stored in original unbroken packaging the product will have a long shelf life. The recommended storage temperature range of Fomtec AFFF 3% (ICAO) is from -3°C to 55°C. Freezing and thawing will have no impact on the performance.

Synthetic foam concentrates should only be stored in stainless steel or plastic containers. Since electromagnetic corrosion can occur at joints between different metals when they are in contact with foam concentrate, only one type of metal should be used for pipelines, fittings, pumps, and tanks employed in the storage of foam concentrates.

Packaging

We supply in 25 litre cans and 200 litre drums. We can also ship in 1000 litre containers or in bulk.

International Approvals:

Fulfills the requirements of the following standards:

- ICAO performance Level B
- EN1568 Part 3