

Description

Fomtec FP 3% Plus is a superior quality fluoroprotein foam concentrate containing fluorinated surfactants in a carefully formulated protein foam liquid base. This ensures the production of a well stabilised fluid foam which will cover a burning hydrocarbon fuel surface rapidly.

Once the fire extinction has been achieved the high stability of the foam blanket ensures against the risk of re ignition and provides excellent protection against burn back should any inaccessible pockets of fire remain.

Fomtec FP 3% Plus is a powerful foam agent for the protection of hydrocarbon fuel including regular gasoline, unleaded gasoline containing upto 20% MTBE and pure MTBE.

Fomtec FP 3% Plus should be used at 3% proportioned solution (3 part concentrate in 97 parts of water) in fresh or seawater.

Application

Large storage tank fires are the most difficult flammable liquid fires to control, extinguish and keep extinguished.

Fomtec FP 3% Plus is intended for use on class B hydrocarbon fuel fires such as oil, diesel and aviation fuels. Fomtec FP 3% Plus can be applied directly onto the fire surface and is also suitable for sub surface injection. It is compatible with all dry chemical powders and can be used in powder/foam twin agent systems.

Fire Performance & Foaming

The fire performance of Fomtec FP 3% Plus is measured against standards such as Under writers Laboratories Standard UL 162, LASTFIRE Test and United Kingdom Ministry of Defence Standard 42-40 at 3% concentration. The expansion will vary depending on the performance characteristics of the equipment used. When tested to DEF 42-40 at 3% concentration, the expansion will be at least 7:1 (normally 8:1) with a 25% drainage time of not less than 6.5 minutes (normally 7.0 minutes).

Environment

Fomtec FP 3% Plus is biodegradable. It does not contain any harmful synthetic surfactants or glycol ethers.

Proportioning

Fomtec FP 3% Plus can easily be proportioned at the correct dilution using conventional foam proportioning equipment such as:

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

Technical data

Appearance	Dark brown liquid
Specific gravity @ 20°C	Minimum 1.15 g/ml
Viscosity approx. @ 20°C	< 30 cSt
pH	6.5 +/- 0.5
Freezing point	- 17°C
Pour point	- 15°C
Suspended sediment (v/v)	Less than 0.25 %

Storage/Shelf Life

Stored in original unbroken packaging the product will have a long shelf life. The recommended storage temperature range of Fomtec FP 3% Plus is from -15°C to 49°C. As with all protein based materials, shelf life will be dependant on storage temperatures and conditions. Freezing and thawing will have no impact on the performance.

Packaging

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

International Approvals:

- Lloyds Register of Shipping
- EN 1568-3

Fulfills the requirements of the following standards:

- UK Ministry of Defence, DEF 42/40
- Lastfire Test
- UL standard 162 (7th Edition)
 - Foam quality tests
 - Class B Hydrocarbon fuel fire tests
 - Foam identification tests
 - Tests of shipping containers