

# FP 6% UL FOAM CONCENTRATE

## Description

Fomtec FP 6% UL is a fluoroprotein foam concentrate containing fluorinated surfactants in a carefully formulated protein foam liquid base. This ensures the production of a stabilised fluid foam which will cover a burning hydrocarbon fuel surface rapidly.

The water soluble fluorosurfactant makes the foam hydrocarbon repellent and reduces the amount of burning particles absorbed by the foam in fighting the hydrocarbon fuel fires.

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 6% UL should be used at 3% proportioned solution (6 part concentrate in 94 parts of water) in fresh or seawater.

## Application

Fomtec FP 6% UL is intended for use on class B hydrocarbon fuel fires such as oil, diesel and aviation fuels. Fomtec FP 6% UL 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 6% UL is measured against standards such as Underwriters Laboratories Standard UL 162 and United Kingdom Ministry of Defence Standard 42-40 at 6% concentration. The expansion will vary depending on the performance characteristics of the equipment used. When tested to DEF 42-40 at 6% 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).

## Proportioning

Fomtec FP 6% UL 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 inducting branch pipes and nozzles.

## Technical data

Appearance	Dark brown liquid
Specific gravity @ 20°C	Minimum 1.13 g/ml
Viscosity approx. @ 20°C	< 20 cSt
pH	6.75 +/- 0.75
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 6% UL 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
- UK Ministry of Defence, DEF 42/40
- UL standard 162 (7<sup>th</sup> Edition)
  - Foam quality tests
  - Class B Hydrocarbon fuel fire tests
  - Foam identification tests
  - Tests of shipping containers