

# P 3% FOAM CONCENTRATES

## Description

Fomtec P3% is a protein foam produced from a carefully controlled blend of hydrolysed protein, foam boosters, stabilisers and preservatives. This ensures the production of a stabilised fluid foam. Foam produced by foam making equipment is tough, stable, heat resistant and covers the burning hydrocarbon fuel surface rapidly. Once 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 P3%** should be used as a 3% proportioned solution in fresh or sea water. The correct proportioning or mixture ratio is 3 parts of concentrate and 97 parts of water.

## Application

Fomtec P3% is intended for use on B class hydrocarbon fuel fires such as oil, petroleum and aviation fuels. Fomtec P3% can be applied directly onto the fire surface.

## Fire Performance & Foaming

The fire performance of Fomtec P3% is measured against standards such as United Kingdom Ministry of Defence Standard 42-40 and EN1568 Part 3. The expansion will vary depending on the performance characteristics of the equipment used. When tested to DEF 42-40 using 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).

## Proportioning

Fomtec P 3% 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	Dark brown Liquid
Specific gravity @ 20,0°C	Minimum 1,14 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 P 3% is from -15°C to 49°C respectively and shelf lives in excess of 10 years will be found in temperate climates. As with all protein based materials, shelf life will be dependant on storage temperatures and conditions. If the product is frozen during storage or transportation, thawing will render the product completely usable.

Fomtec P 3% may be stored in plastic or metal containers. For bulk storage, mild steel tanks may be used provided the internal surface is coated with a protective coating such as bitumen. The use of galvanised material should be avoided for storage vessels and pipe work involving the concentrate .

## 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:

Fulfils the requirements of the following standards

- UK Ministry Of Defence, DEF 42/40.
- European standard EN1568 - 3