

Description

Fomtec FP 3% AR is a fluoroprotein foam concentrate containing fluorinated surfactants in a carefully formulated protein foam liquid base. This ensures the production of stabilised fluid foam which will cover a burning hydrocarbon fuel or polar fuel surface rapidly. The water soluble fluorosurfactants makes the foam stable on water miscible fuels, e.g. like alcohols, ketones etc. It also make the foam repellent and reduce the amount of burning particles absorbed by the foam during the fire fighting process on hydrocarbon fuels. 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. Fomtec FP 3% AR should be used at 3% proportioned solution (3 part concentrate in 97 parts of water) in fresh or sea water.

Application

Fomtec FP 3% AR is intended for use on class B hydrocarbon fuel fires such as oil, diesel and aviation fuels and polar fuels like alcohols, esters, ketones etc. Fomtec FP 3% AR 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 this product has been measured and documented according to "International Approvals" stated in this document. The foaming properties are depending on equipment used and other variables such as water and ambient temperatures. Expansion over 4,5:1, and ¼ drainage time is about 2:30 minutes using UNI 86 test nozzle.

Proportioning

Fomtec FP 3% AR 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

The equipment should be designed to the foam type.

Compatibility

Contact one of the Fomtec sales team with questions.

Technical data

Appearance	Clear amber liquid
Specific gravity at 20°C	1,16 ± 0.01 g/ml
Viscosity at 20°C	≤ 50 mPas
pH	6,0 – 8,5
Freezing point	-15°C
Recommended storage temperature	-15 – 55°C
Suspended sediment (v/v)	Less than 0,2%
Surface tension	≤ 35,0 mN/m

Environmental impact

Fomtec FP 3% AR is formulated using raw materials specially selected for their fire performance and their environmental profile. Fomtec FP 3% AR is biodegradable. The handling of spills of concentrate or foam solution should however be undertaken according to local regulations. Normally sewage systems can dispose foam solution based on this type of foam concentrate, but local sewage operators should be consulted in this respect. This product contains NO PFOS or PFOA. Fomtec FP 3% AR is formulated with the latest fluorine technology and uses only "All-C6 fluorinated" compounds. Full details will be found in the Material Safety Datasheet (MSDS).

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% AR is from -15°C to 55°C. Freezing and thawing will have no impact on the performance.

Protein 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. We recommend following our guidelines for storage and handling ensuring favourable storage conditions.

Packaging

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

Litres per piece	Packaging	Part no
25 litres	Can	13-3310-01
200 litres	Drum	13-3310-02
1000 litres	Container	13-3310-04
Bulk	Special request	

International Approvals

- IMO 1312
- MED