

Description

Fomtec FFFP ARC 3x3 is a multi purpose alcohol resistant film forming fluoroprotein foam concentrate (FFFP ARC).

The main advantage of Fomtec FFFP ARC 3x3 is the 3% induction ratio on hydrocarbon fires and 3% on polar solvents.

Fomtec FFFP ARC 3x3 has been designed to perform as a high efficiency film forming fluoroprotein foam on hydrocarbon fires, and as “alcohol resistant” foam, creating a polymeric membrane on polar solvent fires. Fomtec FFFP ARC 3x3 provides reliable performance even on the strongest fuels. Its excellent fire performance on all kinds of flammable liquids, low or medium expansion, provides maximum security in both mobile fire fighting and stationary fire protection.

Application

Fomtec FFFP ARC 3x3 is intended for use on class B hydrocarbon fuel as well as on polar solvent i.e Isopropanol, Methanol etc and other foam destroying product fires such as MTBE. It can be used with both aspirating and non-aspirating discharge devices. It is compatible with all dry chemical powders.

Fomtec FFFP ARC 3x3 is ideal for applications where a variety of hazards are present and the need for a highly efficient film forming and “alcohol” resistant foam is needed. Typical applications are refineries, petrochemical storage facilities, offshore installations etc.

Fire Performance & Foaming

Fomtec FFFP ARC 3x3 has been designed to give the best properties of:

- Aqueous film forming foam
- Alcohol resistant foam

The foaming properties are depending on equipment used and other variables such as water and ambient temperatures. Average expansion 6:1, average ¼ drainage time 06:30 minutes using UNI 86 test nozzle.

Proportioning

Fomtec FFFP ARC 3x3 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	Dark brownish liquid
Specific gravity at 20°C	1,08 +/- 0.01 g/ml
Viscosity at 20°C	≤ 1500 mPas
pH	6,5 – 8,5
Freezing point	-15°C
Recommended storage temperature	-15 - 49°C
Suspended sediment (v/v)	Less than 0,2%
Surface tension	≤ 19,0 mN/m

Environmental impact

Fomtec FFFP ARC 3x3 is formulated using raw materials specially selected for their fire performance and their environmental profile. Fomtec FFFP ARC 3x3 is biodegradable. The handling of spills of concentrate or foam solutions 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.

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. Shelf life in excess of 10 years will be found in temperate climates. As with all foams, shelf life will be dependent on storage temperatures and conditions. If the product is frozen during storage or transport, thawing will render the product completely usable.

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	13-3341-01
200 litres	Drum	13-3341-02
1000 litres	Container	13-3341-04
Bulk	Special request	