Fomtec
Foam concentrate AFFF ARC 3x3

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Fomtec AFFF ARC 3x3 is a high efficiency multi purpose film forming foam (3x3). The main advantage of Fomtec AFFF ARC 3x3 is the 3% induction ratio on ALL class B fires, including polar solvents, in fresh or seawater.

Characteristics for film forming foam are that it spreads rapidly across a fire. As a result, it is highly effective against hydrocarbon fires. Adding special polymers ensures it is also highly effective against polar solvents.

The low surface tension of the water foam concentrate solution enables the aqueous film, which is heavier than the burning liquid, to float on top of the hydrocarbon liquid surface.

When applied on polar solvents a polymeric membrane makes it possible for the foam blanket to extinguish effectively. This works also on foam destroying liquids such as MTBE.

fomtec
Fire Fighting Foams & Equipment

Application
Fomtec AFFF ARC 3x3 is intended for use on class B hydrocarbon fuel as well as on polar solvent e.g. Isopropanol, Methanol and other foam destroying fuels such as MTBE. It uses only half the quantity to extinguish polar solvent fires in comparison to the traditional 3x6 foam concentrates. It can be used with both aspirating and non-aspirating discharge devices. It is compatible with all dry chemical powders.

Fire Performance & Foaming
Fomtec AFFF ARC 3x3 has been designed to give the best properties of:
- Aqueous film forming foam
- Alcohol resistant foam

The fire performance of this product has been measured and documented according to "International Approvals" stated in this document. Has been tested to and found to comply with Lastfire Protocol with good results. The foaming properties are depending on equipment used and other variables such as water and ambient temperatures. Average expansion 7:1, average ¼ drainage time 09:00 minutes using UNI 86 test nozzle.

Proportioning
Fomtec AFFF ARC 3x3 can easily be proportioned at the correct dilution using conventional equipment such as:
- Inline inductors
- Balanced pressure, variable flow proportioning systems

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Follow us:

- 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.

Environmental impact

Fomtec AFFF ARC 3x3 is formulated using raw materials specially selected for their fire performance and their environmental profile. Fomtec AFFF ARC 3x3 is biodegradable. The product is fully documented to the HOCNF regulations. 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. Synthetic foam concentrates should only be stored in stainless steel or plastic containers. Since electrochemical 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.

International Approvals

- EN 1568 part 3 and 4
- Lloyds Register of Shipping
- MED Wheelmarked
- IMO 1312
- RINA

Technical data	
Appearance	Clear yellowish liquid
Specific gravity at 20°C	1,040 ± 0.01 g/ml
Viscosity at 20°C	≤ 2300 mPas
pH	6,5 – 8,5
Freezing point	-15°C
Recommended storage temp.	-15 - 55°C
Suspended sediment (v/v)	Less than 0,2%
Surface tension	≤ 19,0 dynes/cm

Can 25 litres, article no 10071605

Drum 200 litres, article no 10071606

Container 1000 litres, article no 10071609