

Description

Fomtec ARC Miljö is a high efficiency multi purpose film forming foam (3x6).

The film forming characteristics of Fomtec ARC Miljö means that it spreads rapidly across a fire. As a result, it is highly effective against hydrocarbon fires and with the addition of special polymers it is also highly effective against polar solvents.

The low surface tension of the water foam concentrate solution enables the aqueous film, although 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.

Specialities

Fomtec ARC Miljö should be used at 3% proportioned solution for hydrocarbon fires and 6% for polar solvent fires, in fresh or seawater.

Fomtec ARC Miljö does not contain any of the regular solvents such as glycol ethers, e.g. Butyl Carbitol.

Most other AFFF-foam concentrates contain glycol ethers e.g. butyl carbitol. These solvents can have a serious impact on the environment and can contaminate ground water to a considerable extent.

Fomtec ARC Miljö contains only little fluorine and still offers a superior fire performance. The use of environmentally friendly surfactants as well as the absence of APE (Alkylphenol ethoxylates) makes ARC Miljö a better choice.

Application

Fomtec ARC Miljö 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.

Typical Performance

Fomtec ARC Miljö has been designed to give the best properties of

- Aqueous film forming foam.
- Alcohol resistant foam.

The fire performance of Fomtec ARC Miljö has been tested according to EN 1568 Part 3 and 4 at the Swedish Testing and Research Institute (SP).

Proportioning

Fomtec ARC Miljö 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.

The equipment should be designed to the foam type.

Technical data

| | |
|-------------------------------------|---------------------|
| Appearance | Blue |
| Specific gravity @ 20 C | 1.017 +/- 0.01 g/ml |
| Stationary Viscosity approx @ +10°C | 1 Pas |
| pH | 7.8 +/- 1.0 |
| Undissolved solids (v/v) | Less than 0.1% |
| Freezing point | -2° C |
| Pour point | -0°C |
| Spreading Coefficient | > 3 |

Storage/Shelf Life

Stored in original unbroken packaging the product will have a long shelf life. The recommended storage temperature range of Fomtec ARC Miljö is from -0°C to 45°C. 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 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.

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:

- EN 1658 Part 3 with result Fresh water/Salt Water1/B
- EN 1568 Part 4 with result: Fresh water1B, Sea water 1C