



# Fomtec® ARC MILJÖ 3x6

## FOMTEC ARC MILJÖ 3x6

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

- For hydrocarbon fires and for polar solvent fires
- Contains only small amounts of fluorine and still offers a superior fire performance.
- EN 1568 - 3 and 4



## DESCRIPTION

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.

## SPECIALITIES

Fomtec ARC Miljö 3x6 should be used at 3% proportioned solution for hydrocarbon fires and 6% for polar solvent fires, in fresh or seawater. Fomtec ARC Miljö 3x6 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 3x6 contains only small amounts of 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 3x6 a better choice.

## APPLICATION

Fomtec ARC Miljö 3x6 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 ARC Miljö 3x6 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. 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 05:00 minutes using UNI 86 test nozzle.

## EQUIPMENT

Fomtec ARC Miljö 3x6 can easily be proportioned at the correct dilution using conventional equipment. The equipment should be designed to the foam type.

## COMPATIBILITY

Contact one of the Fomtec sales team with questions.

## TYPICAL DATA

Appearance	Clear green liquid*
Specific gravity at 20°C	1,01 ± 0,01 g/ml
Viscosity at 20°C spindle #1, 60 rpm	≤ 1300 mPa·s
pH	6,8 – 8,8
Freezing point	0°C
Recommended storage temperature	0°C - 45°C
Suspended sediment (v/v)	< 0,2%
Surface tension	≤ 17,0 mN/m

\* Product has been coloured green for identification of this product. Note that the green colour will fade if the product is exposed to sunlight.

For material compatibility please refer to our Fomtec Technical Advices FTA 20 addressing the topic.

## ENVIRONMENTAL

Fomtec ARC Miljö 3x6 is formulated using raw materials specially selected for their fire performance and their environmental profile. All raw materials are registered in European REACH-database. Fomtec ARC 3x6 Miljö is non-toxic, biodegradable and each individual component is fully tested and documented.

Fomtec only use C6 Pure fluoro-surfactants in our AFFF formulations. Our film forming (AFFF) products contains no PFOS or PFOA in accordance with US EPA Stewardship Programme 2010/15 and EU Directive 2017/1000. More details can be found in the Material Safety Datasheet (MSDS).

The disposal of spills of concentrate or premix foam solution should be made in accordance with local regulations. For more detailed information please consult our Fomtec Technical Advices FTA 40.

## 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. For storage recommendations and material compatibility please refer to our Fomtec Technical Advices FTA 10 addressing the topic.

## INSPECTION/TESTING/ MAINTENANCE

All foam concentrates should be tested annually. Testing should be carried out by an approved laboratory certified to

assess firefighting foam quality according to relevant standards, such as NFPA 11, EN 13565-2 or EN 1568. Storage containers should be inspected and reevaluated for the suitability of the storage location regarding temperature fluctuations (temperature should be as stable as possible). Exposure to direct sunlight should be avoided.

## PACKAGING

We supply this product in 25 litre or 5 US gallon cans, 200 litre or 55 US gallon drums, and 1000 litre or 265 US gallon IBC containers. Larger bulk supply is available against special request.

## INTERNATIONAL APPROVALS

- EN 1658 part 3
- EN 1568 part 4



Volume per piece	Packaging	Part no	Approx. shipping weight*	Dimensions (mm) L x W x H
25 ltr	Can	I2-3625-01	27 kg	295 x 260 x 441
200 ltr	Drum	I2-3625-02	214,5 kg	581 x 581 x 935
1000 ltr	Container	I2-3625-04	1090 kg	1200 x 1000 x 1150
5 US gal.	Can	I2-3625-XX		295 x 260 x 441
55 US gal.	Drum	I2-3625-XX		581 x 581 x 935
265 US gal.	Container	I2-3625-XX		1200 x 1000 x 1150
Bulk	Special request	I2-3625-XX		

\* including packaging.