



Fomtec® ARC MILJÖ 3x3

FOMTEC ARC MILJÖ 3x3

Fomtec ARC Miljö 3x3 is a high efficiency multipurpose film forming foam (3x3). 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.
- IMO approved



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 3x3 should be used at 3% proportioned solution for hydrocarbon fires and for polar solvent fires, in fresh or seawater. Fomtec ARC Miljö 3x3 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 3x3 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 3x3 a better choice.

APPLICATION

Fomtec ARC Miljö 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 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 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. The foaming properties are depending on equipment used and other variables such as water and ambient temperatures. Average expansion 6,5:1, average ¼ drainage time 12:00 minutes using UNI 86 test nozzle.

EQUIPMENT

Fomtec ARC Miljö 3x3 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. For material compatibility please refer to our Fomtec Technical Advices FTA 20 addressing the topic.

TYPICAL DATA

Appearance	Clear yellowish liquid
Specific gravity at 20°C	1,05 ± 0,01 g/ml
Viscosity at 20°C spindle #1, 60 rpm	≤ 2400 mPa·s
pH	6,5 – 8,5
Freezing point	-12°C
Recommended storage temperature	-12°C - 45°C
Suspended sediment (v/v)	< 0,2%
Surface tension	≤ 19,0 mN/m

ENVIRONMENTAL

Fomtec ARC Miljö 3x3 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 3x3 Miljö is non-toxic, biodegradable and each individual component is fully tested and documented.

Fomtec ARC Miljö 3x3 formulations contains PFAS using C6 fluorosurfactants and may be used in accordance with legislation valid for the user for the specific derogation. For the latest update on PFAS legislation in EU, check ECHA's website.

Our filmforming (ARC Miljö 3x3) products comply with current EU regulation 2019/ 1021 and PoP's Stockholm convention and US EPA Stewardship as of the revision date of this document. In case of an analysis with current available analytical methods, the result of PFOA and PFOS will be below the detection level. ARC Miljö 3x3 complies to IMO Resolution MSC.532(107) in regards to PFOS and PFOA restriction. More details can be found in the Material Safety Datasheet (MSDS).

The disposal of concentrate and premix may include; cap-ture of release / discharge, waste handling should be made in accordance with local regulations. For total destruction/mineralization of PFAS incineration at 1100°C is recommended. 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

- IMO Circ 1312



Volume per piece	Packaging	Part no	Approx. shipping weight*	Dimensions (mm) L x W x H
25 ltr	Can	12-3325-01	28,1 kg	295 x 260 x 441
200 ltr	Drum	12-3325-02	223,5 kg	581 x 581 x 935
1000 ltr	Container	12-3325-04	1135 kg	1200 x 1000 x 1150
5 US gal.	Can	12-3325-XX		295 x 260 x 441
55 US gal.	Drum	12-3325-XX		581 x 581 x 935
265 US gal.	Container	12-3325-XX		1200 x 1000 x 1150
Bulk	Special request	12-3325-XX		

* including packaging.