

FOMTEC® MB 5

Foam concentrate

fomtec
Fire Fighting Foams & Equipment



Fomtec® MB 5

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Fomtec MB 5 have been designed to be used as a multipurpose foam for low, medium and high expansion foam. Fomtec MB 5 is intended for use on class B hydrocarbon fuels such as oil, diesel, gasoline and aviation fuels. Fomtec MB 5 can be used with all kinds on low, medium and high expansion devices. Fomtec MB 5 is also effective against class A fires such as wood, paper, textiles etc. at 2% to 6% proportioning. The product contains no intentionally added PFAS.

- Fluorine free
- 100 % biodegradable
- Approved: low and medium expansion foam



APPLICATION

Typical applications are general firefighting of flammable liquids. Typical users are fire departments and general industry. Suitable for mobile firefighting by use of aspirating foam discharge devices such as foam branchpipes and monitors, where application rates and technique can be adjusted to the specifics of each incident. Or in systems designed for use with the product based on recommended minimum applications rates, application duration and discharge devices.

FIRE PERFORMANCE & FOAMING

The fire performance 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 9:1, average 25% drainage time 07:30 minutes using UNI 86 test nozzle.

EQUIPMENT

Fomtec MB 5 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
- High expansion foam generators

The equipment should be designed to the foam type. Fomtec MB 5 can be used with low, medium and high expansion foam generators.

ENVIRONMENTAL

Fomtec MB 5 is non-hazardous, biodegradable substance formulated using raw materials specially selected for their fire performance and their environmental profile. The product is totally free from fluorinated surfactants and polymers and other organohalogens, and therefore it does not contain any PFAS. 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. Full details will be found in the Material Safety Datasheet (MSDS). For more detailed information please consult Fomtec Technical Advices FTA 40.

COMPATIBILITY

Fomtec MB 5 is compatible with all water types. It is compatible with foam compatible dry chemical powders as well as other

TYPICAL DATA

Appearance	Yellowish liquid
Specific gravity at 20°C	1,017+/- 0.01 g/ml
Viscosity at 20°C	≤ 20 mPas
pH	7,5 +/- 1
Freezing point	1 °C
Recommended storage temperature	1 - 55°C
Suspended sediment (v/v)	Less than 0,2%
Surface tension	≤ 25 mN/m

expanded foam types. For mixability with other foam concentrates please contact Fomtec. For material compatibility please refer to Fomtec Technical Advices FTA 20 addressing the topic.

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

The foam concentrate should be tested annually. The testing should be made by a suitable laboratory for analysis of foam concentrates and should measure: pH, specific gravity, expansion, drainage time. Storage containers should be inspected and reevaluated for the suitability of the storage location in regard to temperature fluctuations (temperature should be as stable as possible). Exposure to direct sunlight should be avoided.

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	11-3010-01
200 litres	Drum	11-3010-02
1000 litres	Container	11-3010-04
Bulk	Special request	

INTERNATIONAL APPROVALS

- EN 1568 Part 1, 2, 3

ENVIRO BY FOMTEC

The Fomtec Enviro range comprises an extensive range of non-PFAS based foams suitable for use Emergency Response missions and System applications. Enviro foam concentrates are available for class A, class B fire hazards and products are available for low, medium, and high expansion discharge devices.

enviro
by fomtec

