FOMTEC® MB -20

Multipurpose foam concentrate



Fomtec©
MB -20



FOMTEC MB -20

Fomtec MB -20 is a multipurpose foam concentrate consisting of a blend of hydrocarbon surfactants, solvents and stabilisers. All Fomtec multipurpose foam concentrates are totally free from fluorinated surfactants and polymers (PFAS). The fire suppression mechanism of Fomtec MB -20 is utilising the foam blankets ability to block oxygen supply to the fuel and the high water content cools the fuel surface reducing the evaporation of flammable vapours. Additionally, the foam blanket prevents reignition of an extinguished fuel surface.

- Fluorine free
- 100 % biodegradable
- Freeze protected
- Approved in accordance with EN 1568 Parts 1, 2, and 3, as well as IMO 670
- Suitable for low, medium, high expansion foam

Fomtec® is a trademark of Dafo Fomtec AB

Performance Trust Sustainability | Dafo Fomtec AB | P.O. Box 683 | SE-135 26 Tyresö | Sweden | P: +46 8 506 405 66 | F: +46 8 506 405 29 | www.fomtec.com

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DESCRIPTION

Fomtec MB -20 should be used at a 3% proportioning ratio (3 parts concentrate and 97 parts water) for hydrocarbon fuels. Fomtec MB -20 can be stored as premix when blended with fresh water.
For use on Class A type fires, induction ratio of 0,3% to 1% is recommended depending on application and discharge device.

APPLICATION

Fomtec MB -20 is intended for use on class B hydrocarbon fuels such as oil, diesel, gasoline and aviation fuels. Fomtec MB -20 can be used with all kinds on low, medium and high expansion devices. It is intended to be used at 3% proportioning.
Fomtec MB -20 is also effective against class A fires such as wood, paper, textiles etc. at 0,3% to 1% proportioning.
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 the "International Approvals" stated in this document. The use of the product should follow design guidelines appropriate to the type of system and application. 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 03:30 minutes using UNI 86 test nozzle according to EN 1568-3.

EQUIPMENT

Fomtec MB -20 can easily be proportioned at the correct dilution using conventional equipment. The equipment should be designed to the foam type. Fomtec MB -20 can be used with low, medium and high expansion foam generators.
Fomtec MB -20 is also suitable for use in CAF-systems.

COMPATIBILITY

Fomtec MB -20 is suitable for all water types. It is compatible with foam compatible dry chemical powders as well as other expanded foam types.
For mixing with other concentrates, contact Fomtec for advise and guidance. For material compatibility please refer to our Fomtec Technical Advices FTA 20 addressing the topic.

TYPICAL DATA	
Appearance	Pale yellowish liquid
Specific gravity at 20°C	1,070 ± 0.01 g/ml
Viscosity at 20°C spindle #1, 60 rpm	≤ 15 mPas
pH	6,5 - 8,5
Freezing point	-20°C
Recommended storage temperature	-20°C - 55°C
Suspended sediment (v/v)	Less than 0,1%
Surface tension	≤ 30 mN/m

ENVIRONMENTAL

Fomtec MB -20 is non-hazardous, biodegradable substance formulated using raw materials specially selected for their fire performance and their environmental profile. All raw materials are registered in European REACH-database. The product is totally free from fluorinated surfactants and polymers and other organohalogens, and therefore it does not contain any PFAS. 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, EN 1568 and IMO MSC.1Circ. 1312. 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.

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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 on special request.

Volume per piece	Packaging	Part no	Approx. shipping weight*	Dimensions (mm) L x W x H
25 ltr	Can	11-3010-01	28,0 kg	295 x 260 x 441
200 ltr	Drum	11-3010-02	222,5 kg	581 x 581 x 935
1000 ltr	Container	11-3010-04	1130 kg	1200 x 1000 x 1150
5 US gal.	Can	11-3010-XX	21,3 kg	295 x 260 x 441
55 US gal.	Drum	11-3010-XX	231,4 kg	581 x 581 x 935
265 US gal.	Container	11-3010-XX	1134 kg	1200 x 1000 x 1150
Bulk	Special request	11-3010-XX		

** including packaging.*

INTERNATIONAL APPROVALS

- EN 1568 Part 1
- EN 1568 Part 2
- EN 1568 Part 3
  Class IIIC Fresh water and sea water
- *IMO 670*

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



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