

Features

Fluorine free
100 % biodegradable
Freeze temperature -21°C
Excellent burnback resistance
Approved: low, medium, high expansion foam

Description

Fomtec MB -20 is a blend of high activity, synthetic, fatty alcohol sulphates, solvents and stabilisers. Fomtec MB -20 mixed with water and converted into finished foam via low, medium or high expansion foam making equipment combats fires by engulfing the area, restricting the supply of oxygen, cooling of the liquid surface, and the suppression of flammable gases evaporating from the hot liquid surface.

Used as high expansion in complete filling of enclosed rooms the foam creates an inert atmosphere. Fomtec MB-20 should be used between 2% and 6% concentration in fresh or sea water if medium or high expansion foams are required depending on equipment used.

Application

Fomtec MB -20 is a multi purpose foam which can be used at low, medium and high expansions for the extinguishment of class B hydrocarbon fires such as small fuel spills (low & medium expansion), protection of bunding areas (medium expansion), and it can also be used for the control and extinction of cryogenic flammable liquid fires or vapour release from toxic spillage.

At medium and high expansion, Fomtec MB -20 can be used for total flooding of fires involving class A and class B materials. Medium expansion type is particularly suitable for small areas such as cellars and basements of buildings and high expansion type for large areas such as ship cargo or engine rooms. It is especially suitable for dealing with fires in inaccessible locations and where damage must be kept to a minimum.

Fire Performance & Foaming

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 9:1, average 1/4 drainage time 03:30 minutes using UNI 86 test nozzle.

Proportioning

Fomtec MB -20 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
- High expansion foam generators

The equipment should be designed to the foam type.

Environmental impact

Fomtec MB -20 is formulated using raw materials specially selected for their fire performance and their environmental profile. Fomtec MB -20 is biodegradable. 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 in this respect. Full details will be found in the Safety Datasheet (SDS).

Technical data

Appearance	Clear yellowish liquid
Specific gravity at 20°C	1,070 +/- 0.01 g/ml
Viscosity at 20°C	≤ 20 mPas
pH	7,5 +/- 1
Freezing point	-21°C
Recommended storage temperature	-20 - 55°C
Suspended sediment (v/v)	Less than 0,2%
Surface tension	≤ 26 dynes/cm

Compatibility

Contact one of the Fomtec sales team with questions.

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. 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 electrochemical 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. We recommend following our guidelines for storage and handling ensuring favourable storage conditions.

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