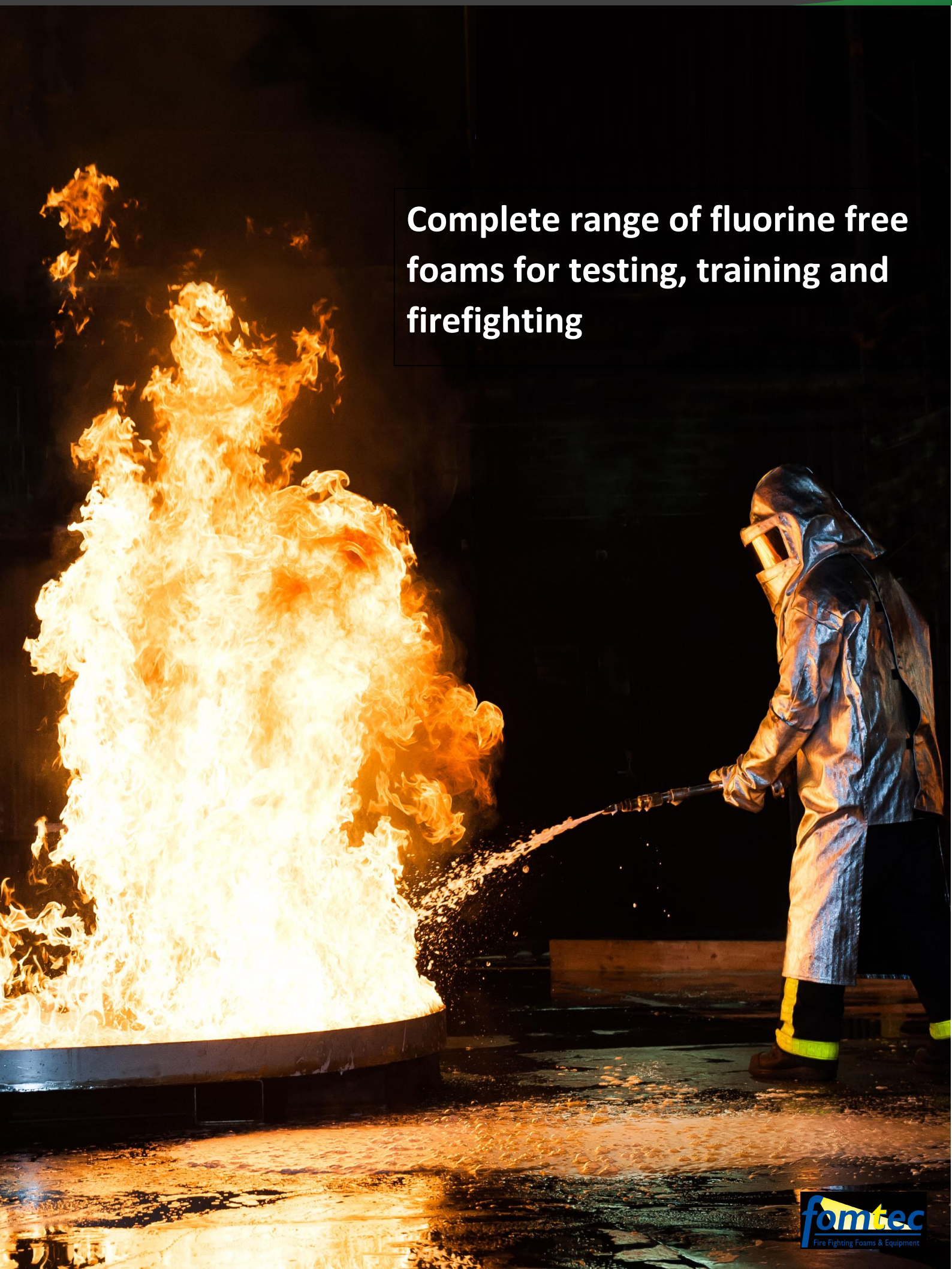
Complete range of fluorine free foams for testing, training and firefighting



fomtec
Fire Fighting Foams & Equipment

Fomtec® Enviro Class A

foam concentrate

Features

Approved by United States Department of Agriculture (USDA) Forest Service and QPL (qualified products List) listed

Independently tested for toxicity on mammals, fish and algae

100% biodegradable

Usage 0.1-1%

Description

Fomtec Enviro Class A is a specially selected blend of high activity hydrocarbon surfactants, selected for their environmental profile, solvents and stabilizers for use on class A fuel fires and smaller class B fires. Enviro Class A does not contain any hazardous substances and does not require any special labelling when transported.

Application

Enviro Class A provides excellent extinguishments of class A fires by providing deep penetration of the water into the burning material. At low concentrations it is also highly effective as a wetting agent. Enviro Class A is also effective on smaller class B fires. Enviro Class A can be used with both aspirating and non-aspirating discharge devices. It is compatible with all dry chemical powders.

Enviro Class A can be used in:

- Fire extinguishers
- Handline Branchpipes and Nozzles
- Helicopter Buckets
- Foam systems
- CAFS systems

Recommended Proportioning Ratio

- Helicopter Bucket 0.3% - 0.5%
- Aspirating nozzle 0.3% - 0.5%
- Non-aspirating nozzle 0.3% - 0.6%
- Compressed air foam system (CAFS) 0.1% -0.5%
- Aspirated foam on small class B fires 1%-3%

The % may vary depending on the quality of the foam blanket required.

Fire Performance & Foaming

Enviro Class A has been designed to be applied as a Wetting Agent as well as a Class A fire extinguishing agent and can be effective if proportioned from 0,1% to 1,0% according to requirements. 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 02:00 minutes using UNI 86 test nozzle.

Compatibility

Contact one of the Fomtec sales team with questions.

Environmental impact

Enviro Class A is non-hazardous, biodegradable substance totally free from fluorinated surfactants. 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 Material Safety Datasheet (MSDS).

Technical data

Appearance	Clear yellowish liquid
Specific gravity at 20°C	1,02 +/- 0.01 g/ml
Viscosity at 20°C	≤ 30 mPas
pH	6,5 – 8,5
Freezing point	-4°C
Recommended storage temperature	-4 - 55°C
Surface tension	≤ 25,0 dynes/cm

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	11-1050-01
200 litres	Drum	11-1050-02
1000 litres	Container	11-1050-04
Bulk	Special request	

Approvals:

Qualified Products Listed (QPL) by US Forest Service in accordance to Forest Service Specification 5100-307a
Tested by UL to the ASTM E1321 – Lateral Ignition & Flame Spread Apparatus Testing (LIFT TEST)
Conforms to NFPA 18 and NFPA 1150

Fire Protection Technologies
Unit 1/251 Ferntree Gully Road,
Mt Waverley VIC 3149 Australia
P.O. Box 75, Mt Waverley, VIC 3149
Ph: 1300 742 296
Fax: (03) 9543 9109
Web: www.fire-protection.com.au

Fomtec® MB -20

foam concentrate

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 inducting 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

	yellowish liquid

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

Fire Protection Technologies
Unit 1/251 Ferntree Gully Road,
Mt Waverley VIC 3149 Australia
P.O. Box 75, Mt Waverley, VIC 3149
Ph: 1300 742 296
Fax: (03) 9543 9109
Web: www.fire-protection.com.au

Fomtec® LS xMax

Features

New Generation of High Performing Multipurpose Foam
Approved & Tested: Low, Medium, High Expansion Foam
Certificates: EN 1568-1, 2, 3, Superior Fire Performance
Fluorine Free & Biodegradable
Usage: Hydrocarbon Fires

Description

Fomtec LS xMax is a new generation of high performing, multi-purpose foam concentrate. It is consisting of hydro-carbon surfactants blended with various solvents, preservatives and stabilizers. Fomtec LS xMax is free from fluorine surfactants. Fomtec LS xMax have been designed to be used as high expansion, medium expansion and low expansion foam systems.

Application

Fomtec LS xMax is intended for use on both class B hydrocarbon fuels such as oil, diesel, gasoline and aviation fuels. Fomtec LS xMax can be used with all kinds on low, medium and high expansion devices. It is intended to be used as 3% concentrate.

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 low expansion 9:1, average ¼ drainage time 11:00 minutes using UNI 86 test nozzle. Has been fire tested against EN 1568-1, -2, and -3. The fire performance have been tested and approved by independent laboratory.

Proportioning

Fomtec LS xMax 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

The equipment should be designed to the foam type.

Compatibility

Contact one of the Fomtec sales team with questions.

Technical data

Appearance	Clear yellowish liquid
Specific gravity at 20°C	1,02 +/- 0.01 g/ml
Viscosity at 20°C	≤ 50 mPas
pH	6,5 – 8,5
Freezing point	-6°C
Recommended storage temperature	-6 – 55°C
Suspended sediment (v/v)	Less than 0,2%

Environmental impact

Fomtec LS xMax is formulated using raw materials specially selected for their fire performance and their environmental profile. Fomtec LS xMax is biodegradable. The handling of spills of concentrate or foam solution 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. This product contains NO PFOS NOR PFOA. Fomtec LS xMax is formulated without the use of fluorinated surfactants. Full details will be found in the Material Safety Datasheet (MSDS).

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	11-3500-01
200 litres	Drum	11-3500-02
1000 litres	Container	11-3500-04
Bulk	Special request	

International Approvals

Tested and issued by MPA Dresden, Germany

- EN 1568 part 1, part 2, and part 3

Fire Protection Technologies
Unit 1/251 Ferntree Gully Road,
Mt Waverley VIC 3149 Australia
P.O. Box 75, Mt Waverley, VIC 3149
Ph: 1300 742 296
Fax: (03) 9543 9109
Web: www.fire-protection.com.au