



Fomtec® ENVIRO AX1 1%

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Fomtec Enviro AX1 1% Fomtec Enviro AX1 1% is a firefighting foam concentrate with no intentionally added PFAS (fluorine compounds). It is a novel formulation consisting of surfactants, foam stabilizers, and boosters. Fomtec Enviro AX1 1% is intended for use on hydrocarbon fuel fires such as diesel, oil, and other water-immiscible fuels. Fomtec Enviro AX1 1% is specially designed for use in fixed foam fire protection systems with specific discharge devices.

- New Generation Fluorine Free Foam
- Approved for foam/water sprinkler, UL 162 Listed
- Low viscosity
- Listed with Bladder Tank Proportioning equipment
- For Class A and B Fires
- 100% Biodegradable



DESCRIPTION

Fomtec Enviro AX1 1% should be proportioned at 1% with fresh water for low expansion discharge devices. It is effective for Class A fires at 0.5% to 1% proportioning.

Fomtec Enviro AX1 1% is especially suited whenever a low viscosity is desired.

APPLICATION

Fomtec Enviro AX1 1% is intended for use on class B hydrocarbon fuel fires such as diesel, oil, and other water-immiscible fuels and class A fires such as wood, paper, textiles etc. Focus applications are diesel generator rooms and truck loading bays where aspirated foam/water sprinklers are typically used.

Fomtec Enviro AX1 1% is especially suited whenever a fluorine-free alternative with high fire performance is required for fixed system applications using fresh water.

Fomtec Enviro AX1 1% is low viscosity and can enable an easier transition of AFFF systems

Fomtec Enviro AX1 1% should be used with low expansion discharge devices or in systems designed for use with the product based on recommended minimum application rates, application duration, and discharge devices.

FIRE PERFORMANCE & FOAMING

The fire performance of this product has been measured and documented according to "International Approvals" stated in this document. The design parameters depend on the type of system and application. The use of the product should follow design guidelines. The foaming properties depend on the equipment used and other variables such as water and ambient temperatures. The average expansion with fresh water is 6:1, average ¼ drainage time 3:30 minutes using UNI 86 test nozzle.

EQUIPMENT

Fomtec Enviro AX1 1% can easily be proportioned at the correct dilution using conventional proportioning equipment.

TECHNICAL DATA

Appearance	Clear liquid
Specific gravity at 20°C (70°F)	1.08 ± 0.01 g/ml
Viscosity 20°C	< 30 mPas
pH	6.5 – 9.0
Surface Tension	< 25 mN/m
Freezing point	1.7°C (35°F)

COMPATIBILITY

Fomtec Enviro AX1 1% can be used together with foam-compatible powders and other expanded foams. Fomtec Enviro AX1 1% concentrate should not be mixed with other foam concentrates.

For material compatibility please refer to Fomtec Technical Advices FTA 20 addressing the topic.

ENVIRONMENTAL

Fomtec Enviro AX1 1% is formulated using raw materials specially selected for their fire performance and their environmental profile. The product contains no intentionally added fluorinated surfactants, polymers, and other organohalogens. Fomtec Enviro AX1 1% is 100% biodegradable and contains no intentionally added PFAS. The handling of spills of concentrate or foam solutions should, however, be undertaken according to local regulations. Normally, sewage systems can dispose of foam solutions 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.

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 depend on storage temperatures and conditions.

For storage recommendations and material compatibility please refer to our Fomtec Technical Advices FTA 10 addressing the topic.

INTERNATIONAL APPROVALS

- UL162 – Listed

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 various pack sizes and can supply in bulk on special request.



Volume per piece	Packaging	Part no	Approx. shipping weight*	Dimensions (mm) L x W x H
25 ltr	Can	11-6820-01	28,2 kg (62.4 lbs)	295 x 260 x 441 (12 x 10 x 17 in)
200 ltr	Drum	11-6820-02	224,5 kg (497 lbs)	581 x 581 x 935 (23 x 23 x 37 in)
1000 ltr	Container	11-6820-04	1140 kg (2524 lbs)	1200 x 1000 x 1150 (47 x 39 x 45 in)
5 US gal.	Can	11-6820-00	21,6 kg (47.8 lbs)	295 x 260 x 376 (12 x 10 x 15 in)
55 US gal.	Drum	11-6820-03	233 kg (516 lbs)	581 x 581 x 935 (23 x 23 x 37 in)
265 US gal.	Container	11-6820-05	1143 kg (2531 lbs)	1200 x 1000 x 1150 (47 x 39 x 45 in)
Bulk	Special request	11-6820-XX		

* including packaging.