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

Revised: 08.11.2013