

Features

Fluorine free foam

Excellent Acetone and IPA fire performance

Description

Fomtec Enviro 6x6 Plus is a multi-purpose alcohol resistant fire fighting foam totally free from fluorinated surfactants and polymers.

The foaming characteristics of Fomtec Enviro 6x6 Plus allows the foam to fast spread across the burning liquid and get control of the fire. Fomtec Enviro 6x6 Plus has been designed to work effectively on both hydrocarbon and polar fires.

When applied on polar solvents a polymeric membrane is formed and makes it possible for the foam blanket to extinguish effectively. It also works on severe foam destroying liquids such as MTBE.

Fomtec Enviro 6x6 Plus should be used at 6% proportioned solution both on hydrocarbon liquids and polar solvents. When used with sea water the fire performance is reduced.

Application

Fomtec Enviro 6x6 Plus is intended for use on class B hydrocarbon fuels as well as polar solvents like isopropyl alcohol, methanol, ethanol, acetone etc. Fomtec Enviro 6x6 Plus can be used as low and medium expansion foam.

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 7:1, average ¼ drainage time 18:30 minutes using UNI 86 test nozzle.

Proportioning

Fomtec Enviro 6x6 Plus 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

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 | 1,035 +/- 0.01 g/ml |
| Viscosity at 20°C | ≤ 3000 mPas |
| pH | 6,5 – 8,5 |
| Freezing point | -5°C |
| Recommended storage temperature | -5 - 55°C |
| Suspended sediment (v/v) | Less than 0,2% |
| Surface tension | ~ 29,0 dynes/cm |

Environmental impact

Fomtec Enviro 6x6 Plus is formulated using raw materials specially selected for their fire performance and their environmental profile. Fomtec Enviro 6x6 Plus 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 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 | 12-6605-01 |
| 200 litres | Drum | 12-6605-02 |
| 1000 litres | Container | 12-6605-04 |
| Bulk | Special request | |

International Approvals

- EN 1568, part 1, 3 and 4