



Aqueous Film Forming Foam AFFF 3% Concentrate Technical Information:

Description:

Heba AFFF 3% A is an aqueous film forming foam concentrate (AFFF) consisting of fluorocarbon and hydrocarbon surfactants blended with various solvents, preservatives and stabilisers.

The foam forms an aqueous film that rapidly cuts off the oxygen supply and thus knocks down the fire. The expanded foam from which the film is drained forms a stable blanket that suppresses the release of flammable vapours and cools down the fuel surface extinguishing the fire and preventing re-ignition.

The low surface tension of the water foam concentrate solution enables the aqueous film, although heavier than the burning liquid, to float on top of the liquid surface.

Heba AFFF 3% A should be used at 3% proportioned solution (3 part concentrate in 97 parts of water) in fresh or seawater. It may also be stored as a pre mix solution in fresh water.

Application

Heba AFFF 3% A is intended for use on class B hydrocarbon fuel fires such as oil, diesel and aviation fuels. It can be used with both aspirating and non-aspirating discharge devices.

Heba AFFF 3% A is especially suited whenever rapid fire knock-down is essential. It is compatible with all dry chemical powders and can be used in powder/foam twin agent systems.

Proportioning:

Heba AFFF 3% A 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.



Fire Performance & Foaming

The fire performance of Heba AFFF 3% A has been tested and documented according to the UK Ministry of Defence Standard 42/40 and EN 1568 Part 3 at 3% proportioning. Foaming index no less than 7:1 (normally 8:1). 25% drainage time 3.0 minutes (normally 3.5).

Storage/Shelf Life:

When stored in original unbroken packaging the product will have a long shelf life. The minimum and maximum usable temperature for Heba AFFF 3% A is from 0°C to 49°C. If the product is frozen during storage or transportation thawing will render the product completely usable.

Synthetic foam concentrates should only be stored in stainless steel or plastic containers. Since electromagnetic 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.

International Approvals:

Fulfils the requirements of the following standard:
- EN 1568, part 3

Technical data:

Appearance	Clear Amber Liquid
Specific gravity @ 20°C	1.015 +/- 0.01 g/ml
Viscosity approx @ 20°C	< 20 cSt
pH	7.5 +/- 1.0
Freezing point	- 5°C
Pour point	- 4°C
Suspended sediment (v/v)	Less than 0.2%
Surface tension approx	20.0 dynes/cm

Packaging:

We supply Heba Foam in 20, 25 litre cans and 200 litre drums. We can also supply in 1000 litre containers or in bulk.

HEBA
FOAM 3%