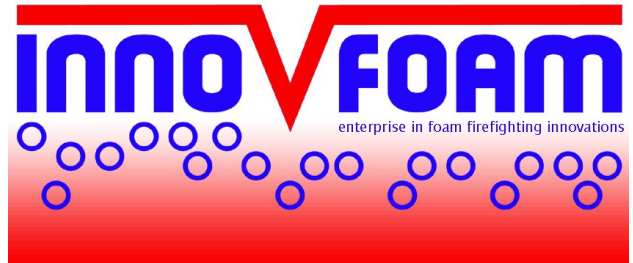


InnoVfoam

AFFF 830



Description

InnoVfoam AFFF 830 is a freeze protected aqueous film forming foam concentrate consisting of fluorocarbon and hydrocarbon surfactants blended with various solvents, preservatives and stabilizers. 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 and roughed blanket that suppresses the release of the 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 the top of the liquid surface. InnoVfoam AFFF 830 should be used as a 3% proportioned solution (3 parts concentrate in 97 parts of water) in fresh or sea water. It may also be stored as a pre-mix solution in fresh water.

Application

InnoVfoam AFFF 830 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. InnoVfoam AFFF 830 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.

Fire performance & foaming

The fire performance of InnoVfoam AFFF 830 has been tested and documented through roughed fire tests according to EN 1568-3, UK Ministry of Defence standard 42/40 and ISO 7203 Part 1 at 3% proportioning. Foaming index no less than 7:1 (normally 8:1) with a 25% drainage time of 3.0 minutes (normally 3.5).

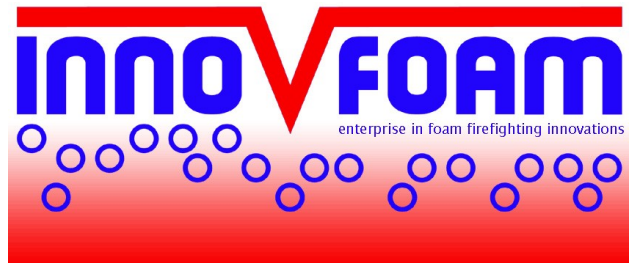
Storage/Shelf life

Stored in original unbroken packaging the product will have a long shelf life. The recommended storage temperature range of InnoVfoam AFFF 830 is from -14°C to 55°C . Freezing and thawing will have no impact on the performance. Synthetic foam concentrates should only be stored in plastic or stainless steel 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.



InnoVfoam

AFFF 830



Proportioning

InnoVfoam AFFF 830 can easily be proportioned at the correct dilution using conventional equipment such as:

- Inline inductors
- Balanced pressures, variable flow proportioning systems
- Bladdertanks
- Around the pump proportioning systems
- Water turbine driven foam proportioners
- Self inducing branch pipes and nozzles.



Technical data

Appearance	Clear Amber Liquid
Specific gravity @ 20° C	1.020 +/- 0.01 g/ml
Viscosity approx @ 20° C	<10 cSt
pH	7.5 +/- 1.0
Freezing point	-15 ° C
Pour point	-14 ° C
Suspended sediment (v/v)	Less than 0.2%
Surface tension approx	20.0 dynes/cm

Packaging

We supply InnoVfoam in 25 litre cans and 200 litre drums. We can also ship in 1000 litre containers or in bulk.

International Approvals

- EN 1568 part 3

Fulfils the requirements of the following standards

- UK Ministry of Defence, DEF 42/40
- ISO 7203 Part 1