

IFP UNIFOAM

Medium and High Expansion Foam Concentrate

DESCRIPTION

IFP UNIFOAM is a non-toxic synthetic foam concentrate made of tensides, stabilizers, antifreeze etc and can be used in all types of high expansion foam generating equipments. IFP UNIFOAM is an effective synthetic foam concentrate to extinguish Class A like wood, paper, products, plastics, rubber etc. & Class B i.e, hydrocarbon fuels. IFP UNIFOAM can also be used as Medium Expansion and Low Expansion Foam with suitable equipments. IFP UNIFOAM can be useful at different proportioning system from 1% to 3%.

IFP UNIFOAM is most effective for rapid coverage of large surfaces, for total flooding of voluminous areas such as engine and boiler rooms, aircraft hangers, shipyards, onboard ships, cable tunnels and other inaccessible places where application of conventional fire fighting agents is most difficult and water damage must be kept at a minimum. After the area has been secured, foam can be removed by sweeping manually or using compressed air, if available, minimising eventual water damages.

PROPERTIES

Appearance	Colourless Liquid
pH	7.0 - 8.0
Specific Gravity	1.00 to 1.04 gm/ml
Viscosity	Less than 10 cst
Sludge Contents (% V/V)	Nil
Pour Point	less than (-)5°C

APPLICATIONS

IFP UNIFOAM cools, extinguishes and helps to suppress toxic vapours and is suitable for use with fresh as well as brackish and salt water without altering extinguishing / vapour suppression efficiency.

IFP UNIFOAM is most effective for LNG/LPG vapour dispersion and also LNG/LPG control of severe fire hazards in cryogenic conditions. Performance of the IFP UNIFOAM depends on the foam generating equipments used. Generally it gives the expansion ration between 200:1 to 1000:1 and 50:1 to 200:1 when used with High and Medium Expansion Foam generating Equipment.

PROPORTIONING

IFP UNIFOAM can easily be proportioned using conventional equipments

- Fixed and Portable In-line Inductors
- Balanced Pressure and variable flow proportioning systems.
- Bladder tanks.
- Around the pump inductor.
- Fixed or portable in-line venturi (eductor) type proportioners

STORAGE/SHELF LIFE

When stored in the supplied packing and stored within the temperature range of 0°C - 50°C, a shelf life of more tan 20 years is expected. Freezing and thawing will have no impact on the performance.

For storing IFP UNIFOAM, the following materials are recommended

SS-304, SS-316, Isophthalic Polyester Resin, Epoxy Resin, High Density Polythylene.

Galvanized pipe and fittings must not be used in areas where undiluted concentrate will contact them since corrosion will result. Pipelines with different metals should be avoided to restrict the undue corrosion effect.

COMPATIBILITY

IFP UNIFOAM is compatible with soft, hard, brakish or salt water. It can be used in combination with Dry powder extinguishing agents either separately or as twin agent systems.

IFP UNIFOAM shall not be mixed with other manufacturers foam concentrate except for use in emergency situations.

ENVIRONMENTAL AND TOXICOLOGICAL INFORMATION

IFP UNIFOAM is biodegradable, low toxic. However, as with any substance, care should be taken to prevent discharge from entering ground water, surface water, or storm drains. It can be treated in sewage treatment systems. Since facilities vary widely by location, disposal or discharge of IFP UNIFOAM concentrate or foam solution should be made in accordance with local government rules and regulations.

For further details see IFP UNIFOAM Material Safety Data Sheet.

APPROVALS AND LISTING

- Type approved by Lloyd's Register, UK, as per IMO/MSC/Circ. 670

STANDARDS

- ISO 7203-2
- EN 1568-1&2
- UL 139
- NFPA 11

STANDARD PACKING SPECIFICATION

Container Shape	Rectangular			Rectangular			Cylindrical		Rectangular		
Material	HM-HDPE			HM-HDPE			HM-HDPE		HM-HDPE		
Capacity	20 ltr			30 ltr			200 ltr.		1000 ltr.		
Empty Weight	1.2 kgs			1.8 kgs			9.2 kgs		57 kgs		
Nominal Dimensions (mm)	L	W	H	L	W	H	D	H	L	W	H
	280	250	390	320	290	425	590	915	1200	1000	1155

Container capacity and seaworthy packing also complied with customers' requirements

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