IFP THERMAL FOAM

Synthetic Foam Concentrate suitable for hot environment

DESCRIPTION

IFP THERMAL FOAM is a non-toxic synthetic foam concentrate made of tensides, stabilizers, anti-freeze etc. and can be used in all types of high expansion foam generating equipment. IFP THERMAL FOAM is an effective/stable synthetic foam concentrate especially for application to system under hot environment, fires of Class A & Class B like wood, paper products, plastics, rubber, hydrocarbon fuels etc. IFP THERMAL FOAM can also be used as Low and Medium Expansion Foam with suitable equipment.

PROPERTIES

Appearance	Colourless Liquid
pH	7.0 - 8.0
Specific Gravity	1.00 to 1.04 gm/ml
Viscosity	200-300 cps
Sludge Contents (% V/V)	Nil
Pour Point	(-)5°C

APPLICATIONS

IFP THERMAL FOAM cools, extinguishes and helps to suppress toxic vapours and is suitable for use with fresh as well as salt water or brackish water suitable at 3-6% proportioning without altering extinguishing/ vapors suppression efficiency.

IFP THERMAL FOAM is most effective for rapid coverage of large surfaces, for total flooding to voluminous areas such as engine and boilers rooms, air craft hangers, shipyards, on board ships, cable tunnels & 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.

IFP THERMAL FOAM will give the specified foam expansion factors with convenient High Expansion Foam Generators.

PROPORTIONING

IFP THERMAL FOAM 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.
- Self inducting branchpipes and nozzles.
- High Expansion Generators

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 THERMAL FOAM, 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 THERMAL FOAM 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 THERMAL FOAM shall not be mixed with other manufacturers foam concentrate except for use in emergency situations.

ENVIRONMENTAL AND TOXICOLOGICAL INFORMATION

IFP THERMAL FOAM 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 THERMAL FOAM concentrate or foam solution should be made in accordance with local government rules and regulations.

For further details see IFP THERMAL FOAM Material Safety Data Sheet.

STANDARDS

- IMO MSC/CIRC 670
- ISO 7203-1
- EN 1568-1
- NFPA 18

STANDARD PACKING SPECIFICATION

Container Shape	Rectangular HM-HDPE	Rectangular HM-HDPE	Cylindrical HM-HDPE
Capacity	20 Ltrs	30 Lts	200 Lts.
Empty Weight	1.2 Kgs	1.8 kgs	9.0 kgs
Nominal Dimensions	H W B	H W B	H D
(mm)	357 282 278	495 242 380	915 585

Container capacity and seaworthy packing also complied with customers' requirements

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