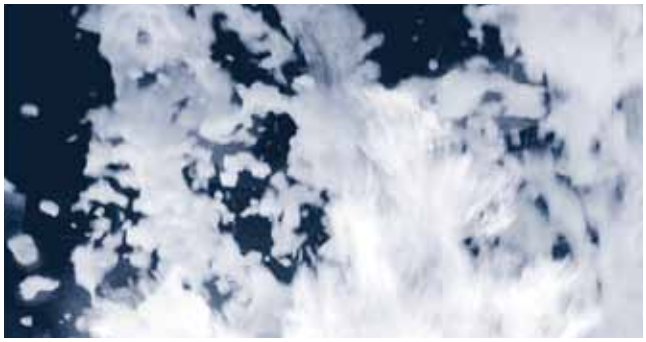
SABO FOAM

FOAMIN P6 Foam Concentrate

Regular protein foam concentrate at 6% for hydrocarbons fires



Description

FOAMIN P6 Protein Foam Concentrate is formulated from hydrolysed protein, foam stabilizers (metal salts), bactericide, corrosion inhibitors, freezing point depressants and solvents. It is transported and stored as a concentrate to provide ease of use and considerable savings in weight and space.

It is intended for use as a 6% proportioned solution either in fresh, salt or hard water. The correct proportioning ratio is 6 parts of concentrate to 94 parts of water.

Two fire extinguishing mechanisms are in effect when using FOAMIN P6. First, a foam blanket is formed which works to prevent the release of fuel vapour. Second, the water content of the foam provides a cooling effect.

Performance

When used with fresh or salt water or water of any hardness at the correct dilution and with most conventional foam making equipment, the expansion ratio will vary depending on the performance characteristics of the equipment. Air aspirating discharge devices produce expansion ratios from 8 to 1 to 12 to 1 depending primarily on type and flow rate. In general, the higher the flow rate the higher the expansion ratio. Therefore, monitors and foam chambers normally produce higher expansion ratios than foam water sprinkler heads and hand held type nozzles.

Typical expansion ratios for foam chambers are in the range of 5 to 1 to 7 to 1, and for foam water sprinkler heads in the range of 3 to 1 to 6 to 1.

Application

FOAMIN P6 Protein Foam Concentrate is intended for use on Class B hydrocarbon fuels having low water solubility such as various crude oils, gasoline, diesel fuels, etc. It is not suitable for use on fuels having appreciable water solubility (polar solvents), i.e., methyl and ethyl alcohol, acetone and methyl ethyl ketone. This concentrate can be used only with air aspirating type discharge devices.

It can also be used with foam compatible dry chemical extinguishing agents without regard to the order of application, to provide even greater fire protection capability.

FOAMIN P6 can be used by most conventional foam equipment such as:

- Balance pressure pump proportioning equipment
- Bladder tank and related proportioners
- Around-the-pump proportioners
- Fixed and portable In-line venturi type inductor
- Fixed or handline nozzles or monitors with fixed induction/ pick up tubes

Approvals

FOAMIN P6 is approved or listed according to:

- IMO MSC Circ. 582
- UNI 9493 by Ministry of Interior Italy

IMO

tyco Fire Protection Products

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Storage and Shelf Life

FOAMIN P6 Protein foam has an operational temperature range of –10°C and +60°C. Limited exposure to temperatures above +60°C does not affect the firefighting performance.

When stored in the packaging supplied (polyethylene drums or pails) within the temperature limits specified, or in equipment recommended by the manufacturer as part of the foam system, the shelf life of FOAMIN P6 Protein foam concentrate is generally in excess of 10 years.

If the product is frozen during storage or transportation, thawing will render the product completely usable.

The factors affecting shelf life and stability for SABOFOAM agents are discussed in detail in our Technical Bulletin 11B for storage recommendation.

For more specific information, please email at: sabofoam.levate@tycoint.com

Safety and Handling

See our corresponding "Material Safety data sheet".

Compatibility

There are no specifications or standards which address the subject of compatibility of different manufacturer's brands of protein foam concentrates. In an emergency or if the manufacturer has supporting test data to substantiate that the mixture meets the same requirements as the individual component concentrates, they may be mixed together in the same storage vessel.

Different types of foam concentrates, i.e., AFFF and protein base should not be mixed under any circumstances.

Quality Assurance

FOAMIN P6 – as with all TYCO Products – is subject to very stringent quality controls throughout all stages of production, from incoming raw to the complete product and is manufactured in an ISO 9001:2008 controlled facility. Quality assurance is therefore guaranteed.

Typical Properties

FOAMIN P6	P 6%
Fire Classes	A and B
Shape and colour	Brown, clear liquid
Smell	Characteristic, Protein
Density (20°C)	1.16 ±0.02 [g/ml]
pH (concentrate, 20°C)	6.0 - 8.0
Viscosity 20°C	6.0 ±4.0 [mm^2/s]
Sediment (EN 1568)	≤ 0.25 [%]
Admixing ratio	6 [% Vol.]
Expansion Ratio (EN 1568-3)	≥ 7.0
Drain Time 25%, (20°C, EN 1568-3)	≥ 5:00
Drain Time 50%, (20°C, EN 1568-3)	≥ 9:00
Expansion	Low, (Medium)
Freezing Point	≤ -15 [°C]
Pour Point	≤ -12 [°C]
Recommended storage/ Usage temperature	-10 to +60 [°C]

Ordering Information

FOAMIN P6 can be supplied in cans, drums, totes or Bulk (contact us for Bulk delivery details).

Part No.	Description
F606322C1	25 Litre can
F606322D1	200 Litre drum
F606322T1	1000 Litre tote
F606322B1	Bulk (Litre)

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