



STHAMEX®-IAF Marine 2% F-10 #9275

Synthetic foam concentrate

Description

STHAMEX®-IAF MARINE 2% F-10 is a special-ly formulated low and high expansion foam for deck foam systems and machinery space protection on board marine going vessels.

STHAMEX®-IAF MARINE 2% F-10 is a fire extinguishing foam based on surfactants. A combination of tensides, stabilisers and anti-freezing compounds provides an efficient fire extinguishing agent.

STHAMEX®-IAF MARINE 2% F-10 is produced without fluorinated chemicals or silicones

Properties

STHAMEX®-IAF MARINE 2% F-10 expands very easily. Depending on the foam concentrate to air ratio a heavy, wet and flowable low expanded or a dry, very light high expanded foam can be generated.

STHAMEX®-IAF MARINE 2% F-10 foam extinguishes safely and forms a gastight cover on combustible surfaces.

STHAMEX®-IAF MARINE 2% F-10 low and high expansion foam is resistant to heat radiation and is gas tight, thus considerably reducing the risk of reignition

Application

STHAMEX®-IAF MARINE 2% F-10 is used for generation of low and high expansion foam in all commonly available equipment and systems for fighting fires of class A + B. The induction rate to water is 2%.

STHAMEX®-IAF MARINE 2% F-10 has been especially developed for the use with sea water. The low expansion foam generated from STHAMEX®-IAF MARINE 2% F-10 is used for fire fighting on ship decks as well as inside ships.

The high expansion foam generated from STHAMEX®-IAF MARINE 2% F-10 is used for fire fighting inside machinery spaces aboard ships. It is used to preventively flood whole rooms or to displace flammable gas/air mixtures escaping from tanks, vaults, pipe tunnels etc.

Environment

None of the raw materials used in our products are banned. Our foam concentrates comply with the latest environmental regulations, such as 'Commission Regulation (EU) No 757/2010', amending '(EC) No 850/2004.' STHAMEX®-IAF MARINE 2% F-10 will also comply with the 'significant new use rule (SNUR)' for long-chain perfluoroalkyl carboxylate proposed by the Environmental Protection Agency, which will come into effect in due course.

Compatibility with other foam concentrates

Mixing for immediate use:

When STHAMEX®-IAF MARINE 2% F-10 is to be added to existing stocks of foaming agents we recommend to have the quality of the available stock tested by our laboratory. STHAMEX®-IAF MARINE 2% F-10 stocks must not be mixed with other products.

Mixing for long term storage:

Mixing of STHAMEX®-IAF MARINE 2% F-10 with other synthetic foam concentrates and subsequent storage is not recommended.

Mixing with synthetic concentrates:

STHAMEX®-IAF MARINE 2% F-10 must not be mixed with AFFF, alcohol resistant polymerfilm forming AFFF or Protein foam concentrates! Even smallest amounts may render the relevant products unusable.

Mixing with other expanded foams:

STHAMEX®-IAF MARINE 2% F-10 foams are compatible with all other readily expanded fire extinguishing foams.

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Compatibility with powder

STHAMEX®-IAF MARINE 2% F-10 is suitable for the combined use with foam compatible dry chemical powders.

Packaging

STHAMEX®-IAF MARINE 2% F-10 is available in plastic cans, plastic drums, IBC's (totes) and in bulk.

Storage

STHAMEX®-IAF MARINE 2% F-10 can be stored for long periods of time in the sealed original containers and in corrosion-resistant plastic or stainless steel tanks. High temperatures up to +50°C do not affect the quality, neither does temporary freezing at temperatures below the specified frost resistance limit.

Shelf life

STHAMEX®-IAF MARINE 2% F-10 has a shelf life of >10 years, if stored according to our recommendations (see technical info leaflet TM014 'Storage of Synthetic Fire Extinguishing Foam Concentrates').

Conformity/listings

STHAMEX®-IAF MARINE 2% F-10 is approved as fire extinguishing agent for fires of class B according to the following standards:



IMO MSC.1/Circ. 1312 non-polar (Heptane)
IMO MSC/Circ. 670 High expansion foam

Physical properties and technical data		STHAMEX®-IAF MARINE 2% F-10	
Recommended induction rate	2% 2%	Low expansion foam Low expansion foam	Solid materials + non-polar liquids
Foam expansion* (according to EN 1568)	7-11 700-1000	Low expansion foam* High expansion foam*	
25%/50% water drainage time* (according to EN 1568)	1-4 minutes 2-6 minutes	2-6 minutes 5-9 minutes	Low expansion foam* High expansion foam*
Colour	colorless to yellow		
pH value at 20°C	6,5 - 8,5		
Density at 20°C	1,050 ± 0,02 g/ml		
Sediments	None		
Frost resistance	-10°C		
Viscosityt at 20°C at 0°C at -10°C	< 50 mm²/sec < 100 mm²/sec < 200 mm²/sec		
Environmental acceptability	STHAMEX®-IAF MARINE 2% F-10 is fully biodegradable. See material safety data sheet for further information.		
Special notes	STHAMEX®-IAF MARINE 2% F-10 poses no health risk, provided it is used as intended as fire extinguishing foam. Firefighting exercise and testing may have to be agreed with local authorities. Consider when spraying persons with foam that they will not be able to breathe whilst covered with foam. See material safety data sheet for further information.		

* Foam expansion and drainage times may vary, depending on foam equipment and operating pressure.