

STHAMEX-AFFF F -15

Aqueous film forming fire extinguishing foam concentrate

Description

STHAMEX-AFFF F -15 is an aqueous film forming foam concentrate, based upon synthetic interface and surface active agents, fluorinated components, foam stabiliser and antifreeze additives.

Properties

STHAMEX-AFFF F -15 is designed primarily for generating low expansion foam. Due to its high foam density long projection ranges are achievable.

STHAMEX-AFFF F -15 forms foam very readily and is therefore also suitable for use as medium expansion foam. The fast release of foam/water solution boosts the film formation and increases the flowability of the foam. Thereby, the extinction time is reduced and the source of fire cooled down. The aqueous film extinguishes fires even in areas not quite covered by the foam and prevents re-ignition where the foam blanket may be ruptured.

The foam is oil-repellent (oleophobic), i.e. it does not load itself with petroleum products and is, therefore ideal for sub-surface foam application. Plastics are covered evenly and wetted effectively.

Because of the aqueous film forming components **STHAMEX-AFFF F -15** is also applied as non-aspirated, aqueous solution on e.g. petroleum products. In this case the product is applied using e.g. water branch pipes or monitors, sprinkler or deluge systems.

The fast and effective fire extinguishing success on class A and B fires achieved with **STHAMEX-AFFF F -15** and its strong resistance against re-ignition are largely owed to the film forming components contained in the formula. The foam is stable and forms a sustainable, gas-tight cover on fuel considerably reducing the risk of re-ignition of areas already extinguished.

Recommended induction rate	Low expansion foam	3.0 %
	Medium expansion foam	3.0 %
Foam expansion (acc. to DIN EN 1568)	Low expansion foam	≤15times
	Medium expansion foam	≤100times
Foam stability (acc. to DIN EN 1568)	25/50 % water drainage time	
	Low expansion foam	≤5 / ≤8 minutes
	Medium expansion foam	≤4 / ≤6 minutes
Density	1.05 ± 0.02 kg/l	
Frost resistance	-15 °C	
pH value	6.5 to 8.5	
Sediment content	None	
Spreading coefficient	≥3 m N/m	
Viscosity	20 °C	≤10 mm ² /s
	0 °C	≤20 mm ² /s
	-15 °C	≤30 mm ² /s
Environmental acceptability	STHAMEX-AFFF F -15 is physiologically harmless and easily biodegradable.	

Special notes

STHAMEX-AFFF F -15 is not detrimental to health, provided it is used for the intended purpose. Fire extinguishing exercises and tests may have to be coordinated with the local authorities.

When persons are sprayed with foam, please bear in mind that they will not be able to breathe while covered with foam. For further information users are asked to refer to the safety data sheet.

STHAMEX-AFFF F -15

Aqueous film forming fire extinguishing foam concentrate

Application

STHAMEX-AFFF F -15 is used with all commercially available low and medium expansion mobile and stationary foam equipment for fighting class A + B fires, especially petroleum products and plastics. This, of course includes sub-surface, semi sub-surface and sprinkler systems. Non-aspirating equipment, e.g. water monitors and branch pipes, sprinkler and deluge systems may be used for hydrocarbon fires because the aqueous film is active even without expanded foam. The concentrate is induced at 3 % to water. The use of sea water, brackish water or treated industrial water does not adversely affect the excellent extinguishing properties.

STHAMEX-AFFF F -15 is typically used in the petrochemical and chemical industry, on airports, Onshore and Offshore, in recycling plants and in locations where large fires have to be safely and reliably extinguished within a very short time.

Compatibility with other foaming agents

For immediate usage STHAMEX-AFFF F -15 can be mixed with any other equivalent foaming agents, independent of the mixing ratio.

When STHAMEX-AFFF F -15 is to be added to existing stocks of foaming agents we recommend to have the quality of the available stock tested by our laboratory.

Compatibility with other fire extinguishing foams

STHAMEX-AFFF F -15 foam is compatible with all other readily expanded fire extinguishing foams.

Compatibility with powder

STHAMEX-AFFF F -15 is perfectly suited for the combined use with foam compatible powders.

Storage

STHAMEX-AFFF F -15 can be stored for long periods of time in the sealed original containers and in corrosion-resistant plastic tanks 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.

Approval

STHAMEX-AFFF F -15 is an officially approved fire extinguishing agent for low and medium expansion foam applications for class A + B fires.

Approval No.:

acc. to DIN 14272: SP 11/99

acc. to DIN EN 1568: SP 14/2000



Dr. STHAMER HAMBURG

Liebigstrasse 5 · D-22113 Hamburg

Phone +49 40 73 61 68-0

Telefax +49 40 73 61 68-60

E-mail: info@sthamer.com

www.sthamer.com

Branch office Pirna

Königsteiner Strasse 5 · D-01796 Pirna

Phone +49 35 01 52 40 06 and 46 44 84

Telefax +49 35 01 46 44 85

