

FLUOR-FOAMOUSSE® 6% F-15 #5612

FLUORO PROTEIN FOAM CONCENTRATE



Description

FLUOR-FOAMOUSSE® 6% F-15 is based on organic protein, a re-growing natural source. Fluorinated, surface active agents, stabilisers and preservatives characterise this efficient foam concentrate which may provide an economical alternative to AFFF and FFFP foam liquids.

Properties

FLUOR-FOAMOUSSE® 6% F-15 low expansion foam allows long projection ranges, is fast flowing and extremely resistant against burn-back and heat radiation.

FLUOR-FOAMOUSSE® 6% F-15 also proves stable on hydrocarbons with proportions of polar solvents. Other highly volatile additives such as MTBE can effectively be protected with *FLUOR-FOAMOUSSE® 6% F-15*. The foam does not emulsify with hydrocarbon fuels which makes it ideal for forceful application as well as use in sub-surface installations.

FLUOR-FOAMOUSSE® 6% F-15 extinguishes class A and B fires safely and produces a gas-tight foam blanket on liquid surfaces.

FLUOR-FOAMOUSSE® 6% F-15 complies with international standards, such as EN 1568-3, IMO MSC.1/Circ. 1312, and British Defence standard 42-22.

Application

FLUOR-FOAMOUSSE® 6% F-15 is applied with all low expansion foam equipment and installations, including sub-surface and semi sub-surface systems. Preventatively, *FLUOR-FOAMOUSSE® 6% F-15* is used to cover spills of volatile liquids. The foam blanket suppresses evaporation preventing emissions of flammable and toxic gas. Thus the fire risk and environmental impact are reduced considerably.

FLUOR-FOAMOUSSE® 6% F-15 is typically used in chemical and petrochemical industries, on airports and in offshore installations.

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.' *FLUOR-FOAMOUSSE® 6% F-15* 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:

FLUOR-FOAMOUSSE® 6% F-15 can be mixed for immediate usage with other equivalent foaming agents, independent of the mixing ratio. When *FLUOR-FOAMOUSSE® 6% 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.

FLUOR-FOAMOUSSE® 6% F-15 stocks must not be mixed with other products.

Mixing for long term storage:

Mixing of *FLUOR-FOAMOUSSE® 6% F-15* with other Fluorprotein foam concentrates and subsequent storage is not recommended.

Mixing with synthetic concentrates:

FLUOR-FOAMOUSSE® 6% F-15 must not be mixed with synthetic foam concentrates! Even smallest amounts may render the relevant products unusable.

Mixing with other expanded foams:

FLUOR-FOAMOUSSE® 6% F-15 foams are compatible with all other readily expanded fire extinguishing foams.

Compatibility with powder

FLUOR-FOAMOUSSE® 6% F-15 is suitable for the combined use with foam compatible dry chemical powders.

Packaging

FLUOR-FOAMOUSSE® 6% F-15 is available in jerrycans, plastic drums, iron drums, pallet containers (totes) and in bulk.

UL approved packaging is available for *FLUOR-FOAMOUSSE® 6% F-15*, in 20 kg plastic jerrycans and 200 kg plastic drums.

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Storage

FLUOR-FOAMOUSSE® 6% F-15 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

FLUOR-FOAMOUSSE® 6% F-15 has a shelf life of >10 years, if stored according to our recommendations (see technical info leaflet TM015 'storage protein foam concentrates').

Approval

FLUOR-FOAMOUSSE® 6% F-15 is approved as fire extinguishing agent for fires of class A and B according to the following standards:



Certificate No.: KB-309/14
Part 3 (Heptane): IIA/IIA



UL 162

Physical properties and technical data		FLUOR-FOAMOUSSE™ 6% F-15	
Recommended induction rate	6%	low expansion foam	non-polar liquids
Foam expansion* (according to EN 1568)	6 - 9	low expansion foam*	
25%/50% water drainage time* (according to EN 1568)	4 - 8 minutes	8 - 15 minutes	low expansion foam*
Colour	dark brown to black		
pH value	at 20°C	6,5 - 8,0	
Density	at 20°C	1,150 ± 0,02 g/ml	
Sediments	< 0,25%		
Frost resistance	-15°C		
Viscosity	at 20°C	< 20 mm²/sec	
	at 0°C	< 40 mm²/sec	
	at -15°C	< 100 mm²/sec	
Environmental acceptability	FLUOR-FOAMOUSSE® 6% F-15 is physiologically harmless and readily bio degradable. Fluorine components are not fully degradable. See material safety data sheet for further information.		
Special notes	FLUOR-FOAMOUSSE® 6% F-15 poses no health risk, provided it is used as intended as fire extinguishing foam. Fire fighting exercise and testing may have to be agreed with local authorities. Take into account 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.			



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