

FOAMOUSSE®-FFFP 3% F-15 #5331

PROTEIN-BASED FOAM CONCENTRATE



Description

FOAMOUSSE®-FFFP 3% F-15 is a film forming foam concentrate based on a special formulation of natural protein along with fluorinated additives, stabilisers and anti-freezing compounds. FOAMOUSSE®-FFFP 3% F-15 virtually combines the extinguishing performance of AFFF with the sealability of fluoroprotein foam concentrates.

Properties

FOAMOUSSE®-FFFP 3% F-15 low expansion foam allows long throwing distances and, thanks to the increased contents of fluorine-components provides outstanding flowability and burnback resistance.

The aqueous film formed out of the foam even extinguishes areas of hydrocarbon fires not yet reached by the foam. The foam does not emulsify with hydrocarbon fuels and is therefore ideal for sub-surface and semi sub-surface application. Where required FOAMOUSSE®-FFFP 3% F-15 can be used in non-aspirated form.

FOAMOUSSE®-FFFP 3% F-15 complies with applicable standards such as EN 1568-3 and ICAO Level B.

Application

FOAMOUSSE®-FFFP 3% F-15 is applied with all low expansion foam equipment and installations, including sub-surface and semi sub-surface systems. Equally suitable is non-aspirating equipment such as water monitors or "Fog-Fighters". According to the grade used the induction rate is 3% to water.

FOAMOUSSE®-FFFP 3% F-15 is typically used in chemical and petrochemical industries, on airports and in offshore installations. The use of salt water or brackish water does not affect the excellent extinguishing properties, neither does treated industrial water.

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.' FOAMOUSSE®-FFFP 3% 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:

FOAMOUSSE®-FFFP 3% F-15 can be mixed for immediate usage with other equivalent foaming agents, independent of the mixing ratio. When FOAMOUSSE®-FFFP 3% 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.

FOAMOUSSE®-FFFP 3% F-15 stocks must not be mixed with other products.

Mixing for long term storage:

FOAMOUSSE®-FFFP 3% F-15 stocks must not be mixed with other FFFP protein foam concentrates.

Mixing with synthetic concentrates:

FOAMOUSSE®-FFFP 3% F-15 must not be mixed with class A, AFFF, or alcohol resistant AFFF concentrates.

Mixing with other expanded foams:

FOAMOUSSE®-FFFP 3% F-15 foams are compatible with all other readily expanded fire extinguishing foams.

Compatibility with powder

FOAMOUSSE®-FFFP 3% F-15 is suitable for the combined use with foam compatible dry chemical powders.

Packaging

FOAMOUSSE®-FFFP 3% F-15 is available in jerrycans, plastic drums, steel drums, IBC's (totes) and in bulk.

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Storage

FOAMOUSSE®-FFFP 3% 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

FOAMOUSSE®-FFFP 3% F-15 has a shelf life of >10 years, if stored according to our recommendations (see technical info leaflet TM015 'storage protein foam concentrates').

Conformity/Listings

FOAMOUSSE®-FFFP 3% F-15 is approved as fire extinguishing agent for fires of class B according to the following standards:



EN 1568:2008 - Certificate No.: KB-306/14
Part 3 (Heptane): IB/IB



ICAO Airport Services Manual
Low expansion foam --- Level B

Physical properties and technical data		FOAMOUSSE®-FFFP 3% F-15	
Recommended induction rate	3%	low expansion foam	non-polar liquids
Foam expansion* (according to EN 1568)	5 - 9	low expansion foam*	
25%/50% water drainage time* (according to EN 1568)	2 - 6 minutes	4 - 8 minutes	low expansion foam*
Colour	dark brown to black		
pH value	at 20°C	6,5 - 8,0	
Density	at 20°C	1,170 ± 0,02 g/ml	
Sediments	< 0,25%		
Surface tension/Spreading coefficient	< 17,5 mN/m	> 3 mN/m (Cyclohexane)	
Frost resistance	-15°C		
Viscosity	at 20°C	< 30	mm²/sec
	at 0°C	< 60	mm²/sec
	at -15°C	< 200	mm²/sec
Environmental acceptability	FOAMOUSSE®-FFFP 3% F-15 is readily bio degradable. Fluorine components are not fully degradable. See material safety data sheet for further information.		
Special notes	FOAMOUSSE®-FFFP 3% F-15 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.		



Dr. STHAMER HAMBURG

Hauptsitz Hamburg:
Liebigstraße 5 • 22113 Hamburg/Germany
Tel.: +49 (0)40 736168-0 • Fax: +49 (0)40 736168-0

Verkaufsbüro Hannover:
Tel.: +49 (0)511 76835845
Fax: +49 (0)511 76835846

Verkaufsbüro Jena:
Tel.: +49 (0)3641 6353857
Fax: +49 (0)3641 6353859

info@sthamer.com • www.sthamer.com

