FOAMOUSSE®-OMEGA 3/3 F-15 #5341

ALCOHOL RESISTANT FFFP FOAM CONCENTRATE

Description

FOAMOUSSE®-OMEGA 3/3 F-15 is a universal, alcohol resistant low viscosity and film forming foam concentrate. It combines the extinguishing performance of AFFF with the sealability of fluoroprotein foam concentrates.
FOAMOUSSE®-OMEGA 3/3 F-15 is based on a special formulation of natural protein along with fluorinated and alcohol resistant compounds.

Properties

FOAMOUSSE®-OMEGA 3/3 F-15 is designed for low expansion foam application on polar and non-polar flammable liquids.
FOAMOUSSE®-OMEGA 3/3 F-15 ensures rapid and safe extinction by film formation preventing reignition and developing a stable foam which is gastight and resists flames and heat radiation.
The aqueous film formed out of the foam evenextinguishes 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.
On polar, water-miscible hydrocarbons a layer is formed which prevents the foam from being destroyed by the chemicals.
Preventatively *FOAMOUSSE®-OMEGA 3/3 F-15* is used to cover spills of volatile liquids. The foam blanket suppresses evaporation preventing emissions of flammable and toxic gases. The fire risk and environmental impact thus are reduced considerably.
FOAMOUSSE®-OMEGA 3/3 F-15 complies with applicable standards.

Application

Being a true universal foam concentrate *FOAMOUSSE®-OMEGA 3/3 F-15* is particularly effective for extinguishing polar solvents and other foam attacking chemicals.
FOAMOUSSE®-OMEGA 3/3 F-15 is applied with all low expansion foam equipment and installations, including sub-surface and semi sub-surface systems with an induction rate of 3%.
FOAMOUSSE®-OMEGA 3/3 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.
FOAMOUSSE®-OMEGA 3/3 F-15 low-expansion foam can be applied directly on non-polar fuels. Indirect application of low expansion foam is necessary where polar solvents are involved. The lighter medium expansion foam may generally be applied directly.
Thanks to the low viscosity of *FOAMOUSSE®-OMEGA 3/3 F-15* in-line inductors can be used without limitation at low temperatures up to -15°C.

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®-OMEGA 3/3 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®-OMEGA 3/3 F-15 can be mixed for immediate usage with other equivalent foaming agents, independent of the mixing ratio. When *FOAMOUSSE®-OMEGA 3/3 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®-OMEGA 3/3 F-15 stocks must not be mixed with other products.
Mixing for long term storage:
FOAMOUSSE®-OMEGA 3/3 F-15 stocks must not be mixed with other protein foam concentrates.
Mixing with synthetic concentrates:
FOAMOUSSE®-OMEGA 3/3 F-15 must not be mixed with class A, AFFF, or alcohol resistant AFFF concentrates.
Mixing with other expanded foams:
FOAMOUSSE®-OMEGA 3/3 F-15 foams are compatible with all other readily expanded fire extinguishing foams.

Compatibility with powder

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

Packaging

FOAMOUSSE®-OMEGA 3/3 F-15 is available in jerrycans, plastic drums, iron drums, pallet containers (totes) and in bulk.

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Storage

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

Approval

FOAMOUSSE®-OMEGA 3/3 F-15 is approved as fire extinguishing agent for fires of class A and B according to the following standards:

DIN EN 1568

Certificate No.: KB-312/14
Part 3 (Heptane): IB/IB
Part 4 (Aceton): IB/IA --- (IPA): IA/IA

Physical properties and technical data	*FOAMOUSSE®-OMEGA 3/3 F-15*		
Recommended induction rate	3% 3%	low expansion foam low expansion foam	non-polar liquids polar liquids
Foam expansion* (according to EN 1568)	5 - 10 6 - 10	low expansion foam* low expansion foam*	
25%/50% water drainage time* (according to EN 1568)	2 - 4 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 at 0°C at -15°C	< 40 mm²/sec < 80 mm²/sec < 200 mm²/sec		
Environmental acceptability	*FOAMOUSSE®-OMEGA 3/3 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	*FOAMOUSSE®-OMEGA 3/3 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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DGUV Test QM ISO 9001 zertifiziert SEE

Änderungen / Irrtum vorbehalten
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