MOUSSEAL®-ATC F-0 #2045

made with PFAS

FOAM EXTINGUISHING AGENT FOR EXTINGUISHERS

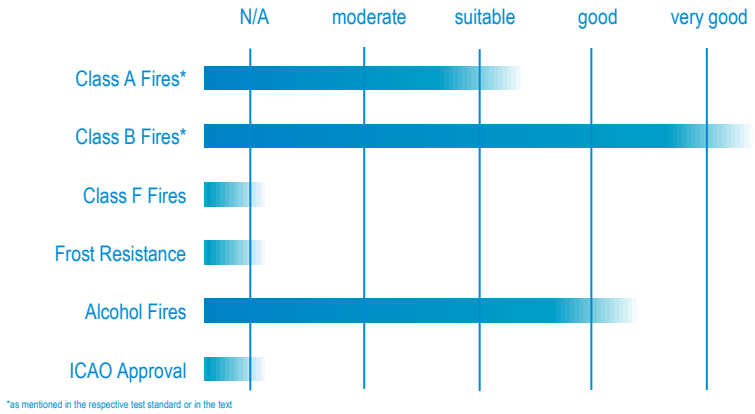
MOUSSEAL®-ATC F-0 is an alcohol-resistant, ready-to-use, liquid fire firefighting foam agent based on special surface- and interface-active surfactants as well as polymers, which meets particularly high requirements for extinguishing performance.
MOUSSEAL®-ATC F-0 is defined and particularly suitable for use in mobile extinguishers (e.g. hand-held fire extinguishers), small extinguishing systems or for filling feed lines for wet systems.

Performance

A special combination of selected surfactants and salts enables very efficient wetting of solid fuels and ensures deep penetration of the extinguishing salts into the fire material. This rapidly extinguishes the active fire or embers in the depth of the fuel and sustainably prevents re-ignition.
Water film-forming fluorosurfactants provide excellent extinguishing performance on non-polar*[1] liquids. The water film is formed when extinguishing non-polar liquids. It forms from the foam solution draining out as a thin, aqueous film between the foam blanket and the fuel on which the foam blanket can glide very well, hence spread particularly quickly.
On polar, water-miscible hydrocarbons, the polymer film forms a protective barrier against the foam-destroying effect of the chemical.

Technical Specification	
Appearance	colourless/yellow
Fire Class/-es	A + B
Lowest Use Temperature	Protect from Freezing
Max. Storage Temperature	max. +50 [°C]
Specific Gravity (20°C)	1,000 ± 0,02 [g/ml]
pH value (20°C)	8,5 - 9,5
Viscosity (20°C)	< 15 [mm²/sec]
Sedimentation	Sediment Free

Foam Properties acc. to EN1568 at 20°C	
Induction Rate	100%
Expansion Rate	–
25% Drainage Time	– [min]
50% Drainage Time	– [min]
Expansion Types	–



Performance Tests

DIN EN 3
21A --- 183B --- 34B Alcohol

[1] flammable liquids that are not miscible with water.

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Application

MOUSSEAL®-ATC F-0 is used in fire extinguishers and extinguishing systems for extinguishing solids (class A fires), polar*[2] and non-polar*[1] liquids (fire classes B) according to DIN EN 3, undiluted.

MOUSSEAL®-ATC F-0 is applied undiluted as low expansion foam or finely diluted spray directly onto the burning material.

Compatibility

When mixing different firefighting foam agents, it must be considered that the resulting mixture is a new chemical product which is not tested as firefighting foam agent and also must be re-evaluated and labeled according to hazardous materials regulations.

MOUSSEAL®-ATC F-0 must never be mixed with protein, multi purpose or alcohol resistant AFFF firefighting foam agents or F3 type firefighting foam agents! Even the smallest quantities can render the products concerned non-useable, respectively lead to precipitation or agglomeration and consequently to equipment failure.

Any information in this product data sheet bases upon our best knowledge and expertise at the time of this issue. We reserve the right to change the content of this document or adopt to newer information. Please ask for the most recent revision of this data sheet.

Storage & Shelf Life

When synthetic firefighting foam agents and concentrates are stored, only certain materials and also only in certain combinations are suitable for permanent media contact. Our detailed Technical Information Nos. 014 (Storage of synthetic firefighting foam concentrates) and 009 (Material suitability polymers) provide information on this and other important aspects for the optimum storage of our products. Please do not hesitate to contact us.

MOUSSEAL®-ATC F-0 can be stored for long periods of time at temperatures from 0°C to +50°C in sealed original containers or containers made of stainless steel or plastic (for further information on material suitability, see our Technical Information).

Environment

After use, all parts which were in contact to *MOUSSEAL®-ATC F-0* must be thoroughly rinsed with water and cleaned to prevent any product buildup. Dried-in adhesions may require longer time soaking for removal.

The product contains organic fluorine compounds which cannot be completely degraded in the environment. Unused product (concentrate) must not be released into the environment. Disposal must be carried out in consultation with local authorities and specialised waste treatment companies.

Please also note further information in our safety data sheet!

Transport

MOUSSEAL®-ATC F-0 is available in the following packaging units: PE-canister (20 ltr, 25 ltr and 60 ltr), PE-canister according to DIN 14452 (20 ltr); PE-drum (200 ltr), PE-IBC (600 ltr und 1.000 ltr) or bulk.

Please contact us for special packing sizes.

For further Documentation please scan the Qr code or see http://sthamer.de/qr/2045

Safety Advice: Please bear in mind that foam solutions are electroconductive liquids. The use in proximity to electrical/electronical equipment can require specific safety measures.

Safety Advice: Please see our Technical Information regarding "Mixing of Foam Concentrates" for further information

[2] flammable liquids that are miscible with water.

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