



## MOUSSEAL®-MR F-30 #2053



### FIRE EXTINGUISHING AGENT

*MOUSSEAL®-MR F-30* is a ready-to-use firefighting foam agent for use in engine or machinery rooms, equipment enclosures and similar applications. A special composition allows the production of a fine bubbled, well adhering foam even when discharged through spray nozzles.

It is a synthetic firefighting foam agent free of organic silicon and fluorine compounds\*<sup>1</sup> and preservatives.

#### Performance

The particularly excellent wetting and cooling properties of *MOUSSEAL®-MR F-30*-foam allow for efficient and environmentally responsible firefighting. Due to the very good cooling effect, heat is extracted from the oil or grease as well as from the surrounding equipment. The risk of re-ignition is significantly reduced in this way.

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.

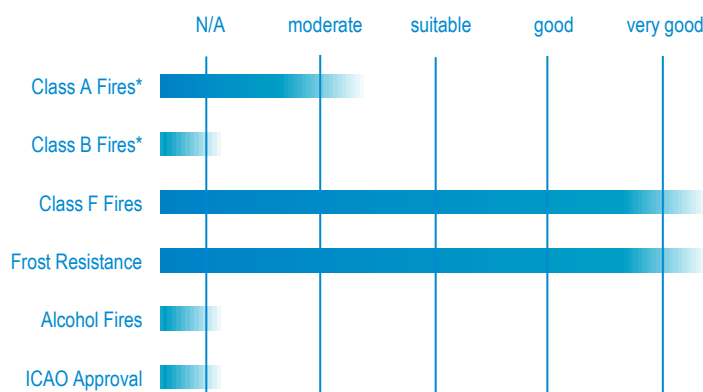
Due to the increased frost protection, *MOUSSEAL®-MR F-30* can be stored and used outdoors at temperatures well below 0°C.

#### Technical Specification

Appearance	colourless
Fire Class/es	A
Lowest Use Temperature	-30 [°C]
Max. Storage Temperature	max. +50 [°C]
Specific Gravity (20°C)	1,280 ± 0,02 [g/ml]
pH value (20°C)	8,0 - 9,0
Viscosity (20°C)	< 10 [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	—



\*as mentioned in the respective test standard or in the text

#### Performance Tests



DIN EN 3  
13A

<sup>1</sup> We define fluorine-free as products that are manufactured without the intentional addition of fluorine compounds for the purpose of improving performance in such a way that, according to currently commercially available analysis of PFAS in firefighting foam concentrates, they do not contain any quantity of fluorine compounds in excess of the ubiquitous regional background contamination (e.g. in the drinking water used for production).

## Application

*MOUSSEAL®-MR F-30* is intended for use in small extinguishing systems and extinguishing systems to protect engine compartments, hydraulic systems, gearboxes or similar in vehicles, conveyors, construction or other machinery and large equipment.

*MOUSSEAL®-MR F-30* is applied undiluted as low expansion foam or finely diluted spray directly onto the burning material. Unlike pure water, a solution of *MOUSSEAL®-MR F-30* can wet the surface of Class A fuels very efficiently, thus achieving an excellent cooling and extinguishing effect.

## 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®-MR F-30* can be mixed with similar firefighting foam agents in any ratio for immediate consumption, e.g. in case of emergency. Mixtures of *MOUSSEAL®-MR F-30* with other firefighting foam concentrates are not suitable for storage - not even short term.

Foam made from *MOUSSEAL®-MR F-30* can be applied together with any other foam. There is no known negative interaction.

*MOUSSEAL®-MR F-30* 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®-MR F-30* can be stored for long periods of time at temperatures from -30°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). Temperature should not exceed +50°C.

## Environment

*MOUSSEAL®-MR F-30* is easily and completely biodegradable and free of organic fluorine compounds\*<sup>1</sup>, preservatives and silicone compounds.

After use, all parts which were in contact to *MOUSSEAL®-MR F-30* must be thoroughly rinsed with water and cleaned to prevent any product buildup. Dried-in adhesions may require longer time soaking for removal.

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®-MR F-30* 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/2053>



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



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

### Disclaimer:

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