



## UltraWet 0,1% F-25 #9041



### WETTING AGENT

UltraWet 0,1% F-25 is a wetting agent based on synthetic surface-active agents which are obtained from natural, renewable raw materials.

We do not use fluorine- or silicone compounds or substances that are either only partially degradable or not degradable at all, and (as far as possible) we also do not use substances deriving from mineral- or palm oil. Therefore, UltraWet 0,1% F-25 is particularly environmentally friendly and easily and completely biodegradable.

### Performance

UltraWet 0,1% F-25 significantly reduces the surface tension of the water already at a proportioning rate of 0,1% and increases the wetting capacity, hence the efficiency of the fire water used on hard-to-wet or even water-repelling substances or surfaces. As a result, the firefighting foam agent can very easily penetrate into the smallest pores, especially in the case of water-repellent structures and surfaces (e.g. surfaces covered with soot or grease, or coated or plastic surfaces), where it provides a strong cooling effect and excellent extinguishing performance. The absence of foam formation allows free visual control of the extinguishing process.

UltraWet 0,1% F-25 combines decisive advantages:

- high yield at low storage space demand
- very good environmental footprint
- up to 7-8 times more efficient compared to plain water
- significant reduction of collateral damage to buildings and structures caused by fire water
- Logistical advantages due to very low proportioning rate

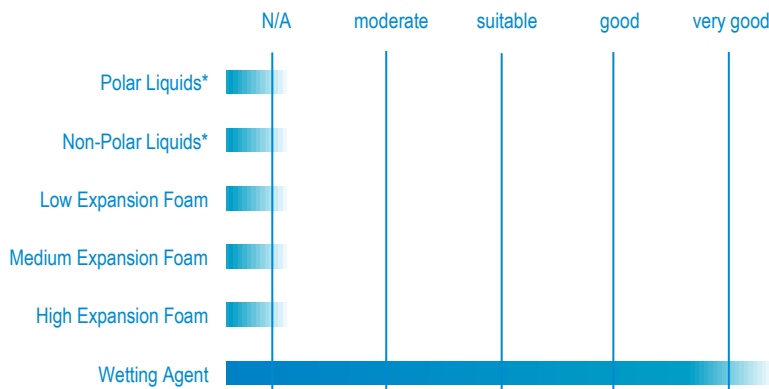
The very low proportioning ratio of only 0.1% helps to minimize environmental pollution and enables rapid and complete biodegradation of the fire water additive after use for fighting vegetation and forest fires.

### Technical Specification

Appearance	light green/light green
Fire Class/-es	A
Lowest Use Temperature	-25 [°C]
Max. Storage Temperature	max. +50 [°C]
Specific Gravity (20°C)	1,040 ± 0,02 [g/ml]
pH value (20°C)	6,5 - 8,5
Viscosity (20°C)	< 20 [mm²/sec]
Sedimentation	Sediment Free

### Foam Properties acc. to EN1568 at 20°C

Induction Rate	0,1%
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  
21A

## Application

*UltraWet 0,1% F-25* is suitable for all qualities of water (fresh water, industrial water free of foam-destroying additives, sea water and brackish water). The proportioning rate to the fire water is 0,1%.

*UltraWet 0,1% F-25* is used as a non-expanded premix in systems (e.g. small extinguishing systems), or applied with commercially available application techniques (e.g. portable extinguishing devices, hollow jet pipe, spray lance, ...).

*UltraWet 0,1% F-25* is a special foam generating agent but is not suitable for generating extinguishing foam.

## Compatibility

*UltraWet 0,1% F-25* can be mixed with similar firefighting foam agents in any ratio for immediate consumption, e.g. in case of emergency. Mixtures of *UltraWet 0,1% F-25* with other firefighting foam concentrates are not suitable for storage - not even short term.

## Storage & Shelf Life

When synthetic firefighting foam agents and concentrates are stored, only certain materials in only 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 for further information. On short-term contact and subsequent thorough cleaning with water, # or a premix solution made from it will not corrode metals such as copper, aluminium, brass, admiralty brass or bronze.

Elevated temperatures up to a maximum of +50°C or temporary freezing at temperatures below the specified frost resistance limit do not affect this high-quality product adversely (see our further Technical Information on the storage of firefighting foam agents). Temperature should not exceed +50°C.

Before filling storage tanks, these tanks and all supply lines, pumps, valves or other parts carrying media must be thoroughly cleaned, free of grease and free of residues from a previous filling. Before filling up stocks of our *UltraWet 0,1% F-25* we recommend to have a quality test of the stock to be filled up carried out in our laboratory. If stored according to our storage recommendations, a shelf life of well o

ver ten years is possible.

## Environment

*UltraWet 0,1% F-25* 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 *UltraWet 0,1% F-25* 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

*UltraWet 0,1% F-25* 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/9041>



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:

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.

<sup>1</sup> We define fluorine-free as products that are manufactured without the intentional addition of fluoroorganic 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 fluoroorganic substances in excess of the ubiquitous regional background contamination (e.g. in the drinking water used for production).

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