

UltraWet 0,1% F-25 #9041

WETTING AGENT



Description

UltraWet 0,1% F-25 is a wetting agent based on synthetic surface active components extracted from natural, sustainable raw materials. Added to firewater *UltraWet 0,1% F-25* enhances its wetting properties considerably more than usual foam concentrates at the same concentration.

Properties

UltraWet 0,1% F-25 reduces the surface tension of water considerably at a concentration as low as 0.1%.

UltraWet 0,1% F-25 enhances the wetting properties and with that the efficiency of fire water on compact class A fuels by a multiple without forming foam.

UltraWet 0,1% F-25 treated water penetrates solid fuel extremely fast and effectively. It wets its surface enduringly and - unlike water - does not run off. Constant evaporation of the extinguishing agent enhances the cooling effect considerably. The very low concentration of just 0.1% in water reduces the environmental impact and enables a rapid and complete biodegradation of *UltraWet 0,1% F-25* fire water after fire fighting operations in e.g. forests and vegetational areas.

- high efficiency with only little required space
- excellent environmental compatibility
- up to 7-8 times higher efficiency compared to pure water
- considerable reduction of water damage
- Logistical advantages due to very low induction rate

UltraWet 0,1% F-25 is fluorine- and silicone-free.

Application

UltraWet 0,1% F-25 is added to water at 0.1% for class A fires. It is used to fight fires of compacted and cellulosic solid materials at recycling and waste disposal sites as well as wood and paper processing industries. Fire services use *UltraWet 0,1% F-25* for fires of forests, bush and grassland etc. Moreover it is used for wetting demolition sites and to settle dust. It is used with all common water branch pipes, monitors, firefighter backpacks etc. Used at the recommended concentration of 0.1% *UltraWet 0,1% F-25* does not form foam and is therefore ideal for aerial fire fighting by helicopter or fixed-wing aircraft. If any water quality other than tap water is used, the proportioning rate may have to be adjusted accordingly in order to retain the wetting properties. Due to the

low proportioning rate *UltraWet 0,1% F-25* requires only little storage capacity. When used near electrical installations DIN/VDE-0132 or equivalent standards must be observed.

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.' *UltraWet 0,1% F-25* 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:

UltraWet 0,1% F-25 can be mixed for immediate usage with other equivalent foaming agents, independent of the mixing ratio. When *UltraWet 0,1% F-25* is to be added to existing stocks of foaming agents we recommend to have the quality of the available stock tested by our laboratory.

UltraWet 0,1% F-25 stocks must not be mixed with other products.

Mixing for long term storage:

Mixing of *UltraWet 0,1% F-25* with other wetting agents and subsequent storage is not recommended.

Mixing with synthetic concentrates:

UltraWet 0,1% F-25 must not be mixed with fire extinguishing foam concentrates.

Mixing with other expanded foams:

UltraWet 0,1% F-25 foams are compatible with all other readily expanded fire extinguishing foams.

Compatibility with powder

UltraWet 0,1% F-25 is suitable for the combined use with foam compatible dry chemical powders.

Packaging

UltraWet 0,1% F-25 is available in jerrycans, plastic drums, iron drums, pallet containers (totes) and in bulk.

UltraWet 0,1% F-25 #9041

WETTING AGENT



Storage

UltraWet 0,1% F-25 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

UltraWet 0,1% F-25 has a shelf life of >10 years, if stored according to our recommendations (see technical info leaflet TM014 'Storage of Synthetic Fire Extinguishing Foam Concentrates').

Approval

UltraWet 0,1% F-25 is approved as fire extinguishing agent for fires of class A and B according to the following standards:



DIN EN 3
21A

Physical properties and technical data		UltraWet 0,1% F-25	
Recommended induction rate	0,1%	wetting agent	solid materials
Colour	mint green		
pH value	at 20°C	6,5 - 8,5	
Density	at 20°C	1,040 ± 0,02 g/ml	
Sediments	none		
Frost resistance	-25°C		
Viscosity	at 20°C	< 20	mm ² /sec
	at 0°C	< 40	mm ² /sec
	at -25°C	< 200	mm ² /sec
Environmental acceptability	UltraWet 0,1% F-25 is physiologically harmless and fully biodegradable. See material safety data sheet for further information.		
Special notes	UltraWet 0,1% F-25 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.		



Hauptsitz Hamburg:
Liebigstraße 5 • 22113 Hamburg/Germany
Tel.: +49 (0)40 736168-0 • Fax: +49 (0)40 736168-60
info@sthamer.com • www.sthamer.com

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

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

