



# FOAMING AGENT CLASS B 0.5 %

FLUORINE-FREE HIGH-PERFORMANCE FOAMING AGENT (F3)



## DESCRIPTION

This foaming agent has been specially developed for the environmentally friendly extinguishing of water-immiscible (non-polar) liquids. It is the only fluorine- and polymer-free class B foaming agent on the market which has European approval for direct and indirect application (according to EN 1568-3, performance class I-B).

One Seven foaming agent class B is a fluorine-free high-performance foam concentrate without chemical stabilizers. The extinguishing agent produced is fully biodegradable and can also be used to extinguish class A fires due to its good penetration power.

The foaming agent is particularly suitable for use in compressed air foam systems (CAFS). The proportioning rate is an economical 0.5 %.

Since this foaming agent contains no polymers, its low viscosity is retained even at low temperatures. If the foaming agent freezes it can still be used after thawing without any loss of its quality.

## ADVANTAGES FOAMING AGENT CLASS B 0.5 %

- Optimum foaming and extinguishing power with only 0.5 % proportioning rate
- Significant cost savings due to very low foaming agent consumption
- Extinguishing agent completely biodegradable, already 99 % after 7 days
- Application solution classified as „not hazardous to water“
- Application solution classified as „not irritating to skin or eyes“
- Suitable for fresh and sea water
- Usable in very wide temperature range (-15 °C up to +50 °C)
- Storage time up to 25 years without loss of quality
- No danger of slipping since no polymers are used

## ONE SEVEN KLASSE B 0.5 %

<b>Standard</b>	EN 1568-3:2008 (I-B) CCCF I-A
<b>Proportioning rate</b>	0.5 %
<b>Range of use</b>	<ul style="list-style-type: none"><li>▪ Fires of hydrocarbon compounds and substances which become liquid</li><li>▪ Fires of solid, ember-forming materials</li></ul>
<b>Water film forming</b>	No
<b>Expansion</b>	Low, medium and high expansion foam
<b>Proportioning systems</b>	Usable with all proportioning systems acc. to EN 16327
<b>Penetration power</b>	24 sec. acc. to ASTM D2281

## PHYSICAL PROPERTIES

<b>Colour</b>	Amber
<b>Density (20 °C)</b>	1.09 ± 0.01 g/cm <sup>3</sup>
<b>PH value (20 °C)</b>	7.0 - 9.0
<b>Aging resistance</b>	No stratification
<b>Viscosity (mm<sup>2</sup>/s)</b>	<b>+20 °C:</b> 68,3 (at 375 s <sup>-1</sup> )
<b>Flow characteristics</b>	Newtonic
<b>Freezing point</b>	≤ -17 °C
<b>Storage and operating temperature</b>	-15 °C ... +50 °C
<b>Usable with fresh and sea water</b>	Yes
<b>Drainage time 25 %</b>	363 sec.

## ECOTOXICOLOGICAL DATA FOAM CONCENTRATE

<b>Biodegradability</b>	Completely biodegradable (99 % after 21 days)
<b>Water hazard classification</b>	WHC3
<b>Biochemical oxygen demand</b>	BOD <sub>5</sub> = 440 g/l
<b>Chemical oxygen demand</b>	COD = 730 g/l
<b>Inhibition algae</b>	E <sub>r</sub> C <sub>50</sub> = 63.2 mg/l
<b>Inhibition daphnia</b>	EC <sub>50</sub> = >100 mg/l
<b>Inhibition fish</b>	EC <sub>50</sub> = 24.2 mg/l
<b>Skin tolerance</b>	GHS-category 1B
<b>Eye tolerance</b>	GHS-category 1

## ECOTOXICOLOGICAL DATA APPLICATION SOLUTION 0.5 %

<b>Biodegradability</b>	Completely biodegradable (99 % after 14 days)
<b>Water hazard classification</b>	Not hazardous to water
<b>Biochemical oxygen demand</b>	BOD <sub>5</sub> = 2.4 g/l
<b>Chemical oxygen demand</b>	COD = 4.0 g/l
<b>Skin tolerance</b>	Not irritating
<b>Eye tolerance</b>	Not irritating

## CONTAINER SIZES

	Item number
20 l canister	500005970
20 l DIN canister	500005973
60 l canister	500005975
200 l barrel	500005974
1,000 l IBC	500005972



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