



FOAMING AGENT CLASS B(FFF)-AR 3.0

FLUORINE-FREE HIGH-PERFORMANCE FOAMING AGENT (F3-AR)



DESCRIPTION

One Seven class B(FFF)-AR 3.0 foaming agent has been specially developed for the environmentally friendly extinguishing of water-miscible (polar) liquids and hydrocarbon compounds. It provides a particularly dense and long-lasting foam blanket.

The proportioning rate is 3 % for extinguishing hydrocarbon fires as well as polar liquids. Of course One Seven class B-AR complies with the current EN 1568-3 and EN 1568-4 standards.

The foaming agent is ideally suited for use in compressed air foam systems (CAFS).

If the foaming agent freezes it can be used after thawing without any loss of its properties.

The fluorine-free extinguishing agent is completely biodegradable and thus a fully environmentally friendly alternative to conventional AFFF-AR products from other manufacturers.

ADVANTAGES FOAMING AGENT CLASS B(FFF)-AR 3.0

- Fluorine-free, without persistent organic substances
- Does not contain nitrate or phosphate sources
- Extinguishing agent completely biodegradable
- Application solution not irritating to skin or eyes
- Suitable for fresh and sea water
- Usable in wide temperature range (-2 °C up to +50 °C)
- Storage time up to 25 years without loss of quality

ONE SEVEN CLASS B(FFF)-AR 3.0

Standard	EN 1568-3:2018 (I-B) fresh water and sea water
	EN 1568-4:2018 (I-B) fresh water
	EN 1568-1:2018 fresh water (at 6 %)
	FM 5130:2014 cl.4.1
	IMO MSC.1 Circ.1312
Proportioning rate	3.0 %
Range of use	▪ Fires of polar liquids
	▪ Fires of hydrocarbon compounds
Water film forming	Yes
Expansion	Low, medium and high expansion foam
Proportioning systems	Usable with all proportioning systems acc. to EN 16327

PHYSICAL PROPERTIES

Colour	Amber
Density (20 °C)	1.05 ± 0.01 g/cm ³
PH value (20 °C)	7.0 - 9.0
Aging resistance	No stratification
Viscosity (mm²/s)	+20 °C: 276.2 (at 75 s ⁻¹); 85.7 (at 375 s ⁻¹)
Flow characteristics	Pseudoplastic
Freezing point	≤ -4 °C
Storage temperature	0 °C ... +50 °C
Operating temperature	-2 °C ... +50 °C
Usable with fresh and sea water	Yes

ECOTOXICOLOGICAL DATA FOAM CONCENTRATE

Biodegradability	Completely biodegradable 100 % in 28 days acc. to OECD 302B
Water hazard classification	WHC1
Inhibition algae	$E_{C_{50}} = >100$ mg/l
Inhibition daphnia	$EC_{50} = >100$ mg/l
Inhibition fish	$LC_{50} = >100$ mg/l
Skin tolerance	Not irritating
Eye tolerance	GHS-category 1

ECOTOXICOLOGICAL DATA APPLICATION SOLUTION 3.0 %

Biodegradability	Completely biodegradable 100 % in 28 days acc. to OECD 302B
Water hazard classification	WHC1
Biochemical oxygen demand	$BOD_5 = 4.6$ g/l
Chemical oxygen demand	$COD = 9.0$ g/l
Skin tolerance	Not irritating
Eye tolerance	Not irritating

CONTAINER SIZES

	Item number
20 l canister	500009652
20 l DIN canister	500009653
60 l canister	500009654
200 l barrel	500009655
1,000 l IBC	500009656



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