

vaPUREx[®] 3% F-15 #7343

FLUORINE FREE FOAM CONCENTRATE



Description

vaPUREx[®] 3% F-15 is a fluorine free fire extinguishing foam concentrate. It is based on special surface active agents, co-surfactants as well as foam stabilisers and antifreezing compounds which are partially made of re-growing raw materials.

Properties

vaPUREx[®] 3% F-15 has very good foaming properties and can be used as low expansion foam.

Application

vaPUREx[®] 3% F-15 is used with all mobile equipment and fixed foam systems for generating low expansion foam. The induction rate is 3% for low expansion foam on fires of non-polar hydrocarbons. Spilled hydrocarbons should be covered by foam to prevent emissions. The foam blanket suppresses the evaporation of the liquid and prevents a possible ignition.

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.' vaPUREx[®] 3% F-15 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:

vaPUREx[®] 3% F-15 should never be mixed with other fluorine free products

Mixing for long term storage:

Mixing of vaPUREx[®] 3% F-15 with other fluorine-free foam concentrates and subsequent storage is not recommended.

Mixing with synthetic concentrates:

vaPUREx[®] 3% F-15 must not be mixed with protein, AFFF, AFFF/AR or synthetic foam concentrates! Even smallest amounts may render the relevant products unusable.

Mixing with other expanded foams:

vaPUREx[®] 3% F-15 foams are compatible with all other readily expanded fire extinguishing foams.

Compatibility with powder

vaPUREx[®] 3% F-15 is suitable for the combined use with foam compatible dry chemical powders.

Packaging

vaPUREx[®] 3% F-15 is available in jerrycans, plastic drums, iron drums, pallet containers (totes) and in bulk.

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Storage

vaPUREX[®] 3% F-15 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

vaPUREX[®] 3% F-15 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

vaPUREX[®] 3% F-15 is approved as fire extinguishing agent for fires of class A and B according to the following standards:



Certificate No.: -
Part 3 (Heptane): IA/-

Physical properties and technical data		vaPUREX [®] 3% F-15	
Recommended induction rate	3%	low expansion foam	non-polar liquids
Foam expansion* (according to EN 1568)	6 - 10	low expansion foam*	
25%/50% water drainage time* (according to EN 1568)	2 - 4 minutes	4 - 8 minutes	low expansion foam*
Colour	colorless to yellow		
pH value	at 20°C	6,5 - 8,5	
Density	at 20°C	1,070 ± 0,02 g/ml	
Sediments	none		
Frost resistance	-15°C		
Viscosity	at 20°C	< 800(400)	mPa*s bei 75(375) 1/s
	at 0°C	< 1200 (650)	mPa*s bei 75(375) 1/s
	at -15°C	< 1500(750)	mPa*s bei 75(375) 1/s
Environmental acceptability	vaPUREX [®] 3% F-15 is physiologically harmless and fully biodegradable. See material safety data sheet for further information.		
Special notes	vaPUREX [®] 3% F-15 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.		
* Foam expansion and drainage times may vary, depending on foam equipment and operating pressure.			



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