



Fire Fighting Solutions

When It Comes To Your Safety Only The BEST Is Good Enough

BAVARIA

BAVARIA WHITE GHOST 3% - FP

FLUORO-PROTEIN FOAM CONCENTRATE

WHITE GHOST 3%



DIN EN
1568



Application:

WHITE GHOST 3% is applied with all low expansion foam equipment and installations, including sub-surface and semi sub-surface systems. It can be used as a preventative measure to cover spills of volatile liquids. The foam blanket suppresses evaporation, preventing emission of flammable and toxic gases. Fire risk and environmental impact are thereby reduced considerably. This foam concentrate is typically used in chemical and petrochemical industries, at airports and in offshore installations.



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Germany - Egypt - Lebanon - Sudan

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Description:

WHITE GHOST 3% is based on renewable organic protein. It does not contain any harmful synthetic detergents, harmful glycol ethers or zinc chloride. Fluorinated surface active agents, stabilizers and preservatives characterise this effective product, which may provide an economical, alternative to AFFF and FFFP foams. This product is classified as non-hazardous, according to regulation (EC) 1272/2008 [CLP].

Properties:

WHITE GHOST 3% low expansion foam allows for long projection ranges, has high flowability and is extremely resistant against burn back and heat radiation. The foam is stable on hydrocarbons containing proportions of polar solvents, as well as other highly volatile additives, such as MTBE. It does not emulsify with hydrocarbon fuels, making it ideal for direct application, as well as use in sub-surface installations. This product safely extinguishes class A and B fires and produces a gastight foam blanket on liquid surfaces.

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.' WHITE GHOST FP 3% complies 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

Mixing for immediate use:

WHITE GHOST 3% may be mixed, in any proportion, with other fluoroprotein foam concentrates when used immediately.

Mixing for long term storage:

Mixing of WHITE GHOST 3% with other Fluorprotein foam concentrates and subsequent storage is not recommended. When WHITE GHOST 3% is to be added to existing stocks of foaming agents we recommend to have the quality of the available stock tested by our laboratory.

Mixing with synthetic concentrates:

WHITE GHOST 3% must not be mixed with synthetic foam concentrates. Even small quantities may render the relevant products unusable.

Mixing with other expanded foams:

Foam generated from WHITE GHOST 3%, during a firefighting operation, is compatible with all other readily expanded fire extinguishing foams, including expanded synthetic foams.

Compatibility with powder

WHITE GHOST 3% foam is suitable for combined use with foam compatible dry chemical powders.

Packaging

WHITE GHOST 3% is available in jerrycans, plastic drums, steel drums, pallet containers (totes) and in bulk. UL approved packaging is available for WHITE GHOST 3%, in 20 kg plastic jerrycans and 200 kg plastic drums.

Storage

WHITE GHOST 3% may be stored, over a long period of time, in the sealed original containers and in corrosion resistant plastic or mild steel tanks. Storage temperatures range from -15°C to +50°C. Temporary freezing, at temperatures below the specified frost resistance limit, will not affect the quality.

Shelf life

WHITE GHOST 3% has a shelf life of >10 years, if stored according to our recommendations (see technical info leaflet B.FL 025 'storage protein foam concentrates').

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Performance

WHITE GHOST 3% is a superior fire extinguishing agent for fires of class A and B.



DIN EN 1568, Part 3: IIA/IIA



According to UL 162

Physical properties and technical data:

Type	WHITE GHOST 3%		
Country of Origin	Germany		
Recommended induction rate	3%	low expansion foam	non-polar liquids
Foam expansion*	7 - 9	low expansion foam*	
25% / 50% water drainage time*	6 - 8 minutes	8 - 15 minutes	low expansion foam*
Colour	dark brown to black		
pH value	at 20°C	6.8 - 7.4	
Density	at 20°C	1.18 ± 0.02 g/ml	
Sediments	< 0.25%		
Frost resistance	-15°C		
Viscosity	at 20°C	≥ 7 Csk	
Environmental acceptability	WHITE GHOST 3% is physiologically harmless and readily bio degradable. Fluorine components are not fully degradable. See material safety data sheet for further information.		
Special notes	WHITE GHOST 3% 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.