

1 ABERDEEN FOAM % TRAINING FOAM (SYNTHETIC) TRAINING FOAM CONCENTRATE



A high quality foaming agent formulated for use in fire training exercises.

Designed to simulate the foaming performance of an AFFF with either fresh or salt water, but without the environmental impact of an AFFF.

Not suitable for use as a fire fighting foam concentrate.

FEATURES

Aberdeen Foam 1% Training Foam (Synthetic) is designed for use in Fire Fighting Foam Training exercises and overcomes environmental regulations that minimise the use of fluorosurfactant based foams.

- Fluorosurfactant free synthetic base formulation
- Readily biodegradable with low toxicity to marine life
- For use as a training replacement for 1% AFFF
- Ideal for use where regular fire fighting foam training is required, for example the Aviation and Offshore industries
- Suitable for use in fire system calibration

**FLUORINE
FREE**

1% TRAINING FOAM (SYNTHETIC)

PHYSICAL PROPERTIES

Appearance	Clear colourless liquid
Specific gravity at 20°C	1.036
pH at 20°C	7 - 8
Viscosity @ 20°C mPas	6.0
Surface tension @ 20°C N/m	TBC
Freezing point (°C)	-5
Lowest use temp. (°C)	0
Expansion*	≥ 8:1
25% drainage (minutes)	≥ 3.30
Max. storage temp.(°C)	49
Min. storage temp.(°C)	0
Freeze/thaw effect	None

* Foam quality will depend on the foam equipment used and the operating conditions. The above are tested in accordance with UK Defence Standard 42-40.

FOAMING PROPERTIES

Foam expansion properties will vary depending on several factors including:

- Using salt or fresh water
- Water hardness
- Equipment characteristics
- Equipment flow rate

For example, aspirating devices will produce typical expansion ratios of between 6:1 and 10:1 and non-aspirating devices between 2:1 and 4:1.

Always check your equipment's operation manual for guidance.

ENVIRONMENTAL IMPACT

- Biodegradable
- Butyl carbitol free
- Fluorine free
- Separator friendly - meets prEN 858
- Low toxicity to aquatic organisms

APPLICATIONS

For use in fire training and system calibration wherever a foaming alternative to an AFFF is required. Ideal for use in areas where regular fire training is critical, such as:

- Offshore platforms and helidecks
- Petrochemical refining, processing and storage facilities
- Marine terminals, power stations and road / rail loading racks
- Rapid Intervention Vehicles and aircraft hangar systems

Produced training foams can also be used as wetting agents for combating Class A fires (i.e.tyres, paper, wood) and for providing a vapour suppression blanket on hydrocarbon spills.

PROPORTIONING EQUIPMENT

Aberdeen Foam 1% Training Foam (Synthetic) concentrate is readily proportioned with the following equipment:

- In-line inductors (fixed or portable)
- Balanced pressure variable flow proportioners
- Around the pump proportioners
- Bladder tank Balanced Pressure proportioning skid
- Handline, aspirating nozzles with fixed inductor pickup tube

DISCHARGE EQUIPMENT

Aberdeen Foam 1% Training Foam (Synthetic) concentrate is suitable for use with:

- Foam chambers
- Aspirating and non-aspirating sprinklers or spray nozzles
- Water fog nozzles for handlines and monitors
- Foam makers for use with either Floating Roof or Bund Protection systems

PROPORTIONING INFORMATION

- 1 part foam concentrate to 99 parts water

STORAGE AND SHELF LIFE

Best stored as supplied in original, unopened containers. Suitable for storage in containers and tanks manufactured from:

- Stainless steel (Type 304L or 316L)
- High density cross-linked polyethylene
- RFP – vinyl ester epoxy resin only

If kept in the original manufacturer's supplied container and stored between 0°C and 49°C, a shelf life of at least 10 years can be expected.

To prolong the shelf life of any foam concentrate, do not expose to temperature extremes and prevent contamination from foreign materials.

COMPATIBILITY

Aberdeen Foam 1% Training Foam (Synthetic) is not for fire fighting use and should not be mixed with any concentrates used for this purpose.

For further information or advice on mixing foam concentrates or compatibility testing, please contact Oil Technics Limited.

DISPOSAL

Produced Aberdeen Foam 1% Training Foam (Synthetic) can be safely disposed of in biological waste water treatment systems.

INSPECTION AND TESTING

As recommended by NFPA11, BS.EN 13565-2:2009 and BS 5306, Aberdeen Foam foam concentrates should be inspected and tested at least annually as part of your fire fighting foam maintenance programme.

Oil Technics Limited offers a worldwide foam testing service and inhouse foam testing training. For further details, please contact us or visit our website: www.foamtesting.com

TECHNICAL SERVICES AND SALES SUPPORT

For our UK customers, Aberdeen Foam is available 24/7 via our 24 hour emergency call out service: +44 (0) 1561 361515

Aberdeen Foam is manufactured in Scotland under ISO 9001 and ISO 14001 accredited management systems and audited by UL every four months.

PACK SIZES

Available in the following sizes:

20 litre, 25 litre, 200 litre, 1000 litre containers and bulk tanks

Oil Technics Ltd reserve the right to modify any specification at any time and without prior notice.



Manufactured & supplied by
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