ABERDEEN FOAM 1% TRAINING FOAM

Fluorine Free Synthetic Training Foam Concentrate

A synthetic, fluorine free concentrated foaming agent 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 fluorosurfactant-based foams.

Not suitable for use as a fire fighting foam concentrate.

FEATURES

Aberdeen Foam 1% Training Foam is designed for use in fire fighting training exercises and overcomes environmental regulations that minimise or do not allow the use of fluorosurfactant-based foams.

- Fluorosurfactant free synthetic base formulation.
- Readily biodegradable with low toxicity to marine life.
- Ideal for use where regular fire fighting foam training is required, such as the Offshore installations, refineries and airports.
- Meet European Commission recommendation for the **immediate withdrawal of fluorinated foams** used for training exercises.

PROPORTIONING INFORMATION

- 1 part foam concentrate to 99 parts water.

PHYSICAL PROPERTIES

• Appearance	Clear colourless liquid
• Specific gravity @ 20°C	1.036
• pH @ 20°C	7.0 - 8.0
• Viscosity @ 20°C (mPas)	6.0
• Freezing point (°C)	≤ -5
• Lowest use temp. (°C)	0
• Expansion*	≥ 8.0
• 25% drainage (minutes)	≥ 3.3
• Max. storage temp. (°C)	50
• 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.

FLUORINE FREE

EU2019/1021 COMPLIANT

firefightingfoam.com

1% TRAINING FOAM

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.

APPLICATIONS
For use in fire training exercises only.

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 TF 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 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 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

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

ENVIRONMENTAL IMPACT
- Non-persistent in the environment.
- Fluorosurfactant free.
- Butyl carbitol free.
- Readily biodegradable.
- Separator friendly.
- Meets EU2019/1021 - complies with EU and UK PFOA restrictions.
- Low toxicity to aquatic organisms.
- Anti-foam agents may be used to reduce foam in in waste streams.

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
- FRP (vinyl ester epoxy resin only)

If kept in the original manufacturer's supplied container and stored between 0°C and 50°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. If product is frozen, thawing will not effect performance. Mixing after freeze/thaw is recommended.

COMPATIBILITY
Aberdeen Foam 1% Training Foam is not for firefighting use and should not be mixed with any concentrates used for this purpose.

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

INSPECTION AND TESTING
As recommended by NFPA 11: 2021 and BS EN 13565-2: 2018, 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: 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.

PACK SPECIFICATIONS

Capacity	20L	25L	200L	1000L	2700L Bulk tank
Dimensions (cm)	40 x 29.5 x 24.5	47 x 29.5 x 24.5	92 x 58 x 58	102 x 100 x 116	215 x 185 x 213
Empty weight (kg)	0.8	0.9	8	60	2000
Filled weight (kg)	22.2	27.6	222	1130	3890

These measurements are for reference purposes only and are intended as guidelines only. Oil Technics Ltd reserve the right to modify any specification at any time and without prior notice.

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