

TRAINING FOAM-N 3% F-0 #9346

TRAINING FOAM CONCENTRATE



Description

TRAINING FOAM-N 3% F-0 is an environmentally benign, fluorine-free, newtonian foam concentrate for simulation of firefighting foam for training and exercising based on interface active components. The surfactants contained in the product are readily and completely bio-degradable.

Properties

TRAINING FOAM-N 3% F-0 provides excellent foaming properties simulating the foaming of typical Newtonian multi purpose of AFFF firefighting foam agents. Depending on the liquid to air ration *TRAINING FOAM-N 3% F-0* provides a free flowing low expansion foam or a wet medium expansion foam. Apart from simulating firefighting foam for training purposes *TRAINING FOAM-N 3% F-0* is capable to lower the surface tension similar to a regular firefighting foam agent and is therefore also useable as wetting agent for trainings.

TRAINING FOAM-N 3% F-0 does not contain any persistent or poorly degradable chemicals nor any fluoroorganic or other halogenated compounds. It is free of silicon compounds and preservatives and is therefore readily and 100% biodegradable.

Application

TRAINING FOAM-N 3% F-0 is used for testing and training of simulated real life engagements with firefighting low- or medium expansion foam. Application is possible with any standard foaming and discharge equipment.

Generation of high expansion foam will not be successful.

The proportioning ratio is 3% vol. to fresh, salt or brackish water for foam trainings or 0,5-1% vol. for trainings with simulated wetting agents.

If treated industrial water is used, make sure it does not contain foam destroying compounds (e.g. corrosion inhibitors or biocides)

Caution: *TRAINING FOAM-N 3% F-0* must not be used as firefighting foam- or wetting agent in real fires - neither as a single agent nor in combination with other firefighting agents!

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.' *TRAINING FOAM-N 3% F-0* 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

TRAINING FOAM-N 3% F-0 is a pure training and simulation product and must under no circumstances ever be mixed with real firefighting foam agents!

The following mixing advice solely refers to mixing with other training foams

Mixing for immediate use:

TRAINING FOAM-N 3% F-0 can be mixed for immediate usage with other equivalent foaming agents for training, independent of the mixing ratio. When *TRAINING FOAM-N 3% F-0* is to be added to existing stocks of foaming agents we recommend to have the quality of the available stock tested by our laboratory.

TRAINING FOAM-N 3% F-0 stocks must not be mixed with other products.

Mixing for long term storage:

Mixing of *TRAINING FOAM-N 3% F-0* with other synthetic foam concentrates and subsequent storage is not recommended.

Mixing with synthetic concentrates:

TRAINING FOAM-N 3% F-0 must not be mixed with AFFF, alcohol resistant polymerfilm forming AFFF or Protein foam concentrates! Even smallest amounts may render the relevant products unusable.

Mixing with other expanded foams:

TRAINING FOAM-N 3% F-0 foams are compatible with all other readily expanded foams.

Compatibility with powder

TRAINING FOAM-N 3% F-0 is suitable for the combined use with foam compatible dry chemical powders.

Packaging

TRAINING FOAM-N 3% F-0 is available in jerrycans, plastic drums, iron drums, pallet containers (totes) and in bulk.

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Storage

TRAINING FOAM-N 3% F-0 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

TRAINING FOAM-N 3% F-0 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').

| Physical properties and technical data | | TRAINING FOAM-N 3% F-0 | |
|--|---------|---|-----------------------|
| Recommended induction rate | | 3% | low expansion foam |
| | | 3% | medium expansion foam |
| Colour | | colorless to yellow | |
| pH value | at 20°C | 6,5 - 8,5 | |
| Density | at 20°C | 1,010 ± 0,02 g/ml | |
| Sediments | | none | |
| Frost resistance | | 0°C (prevent from freezing) | |
| Viscosity | at 20°C | < 4 | mm²/sec |
| | at 0°C | < 8 | mm²/sec |
| Environmental acceptability | | TRAINING FOAM-N 3% F-0 is physiologically harmless and fully biodegradable. See material safety data sheet for further information. | |
| Special notes | | TRAINING FOAM-N 3% F-0 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. | |



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