ASSURANCE
NATIONAL FOAM

NF Training Foam

AFFF Simulation Foam

NFC710

- Simulates AFFF in training situations
- Suitable for foam evolution training scenarios as well as proportioning equipment testing
- Suitable for Class A or Class B proportioning systems
- No intentionally added PFAS, PFOA or PFOS glycol or glycol ethers

The concentrate has proportioning characteristics similar to AFFF foam concentrates and provides an expanded foam blanket when used with air aspirating application devices.

Training Foam is readily biodegradable. It is designed for use at a 3% or 6% proportioning rate through all types of proportioning equipment. **National Foam's Training Foam IS NOT designed to be used in the extinguishment of fire.** Training Foam can be used at training facilities that have controlled live fire evolutions that are supervised by certified fire instructors responsible for the safety of all personnel and equipment involved.

Training Foam uses the same synthetic foaming agents found in National Foam's AFFF concentrates. Training foam is a non-toxic concentrate that does not contain any fluorochemicals, polymers or solvents.

Applications

Training Foam may be used through Class A or B foam proportioning systems. It has been designed to provide expansion characteristics similar to AFFF firefighting foams, but does not contain chemical components for firefighting performance. It is useful in testing foam evolution scenarios and proportioning equipment operation.

Typical Physical Properties

Appearance	Clear Liquid
Specific Gravity at 77°F(25°C)	1.01
pH	8.2
Viscosity @77F(25°C)	1.03 cST
Freezing Point	23°F(-5°C)
Min Usable Temperature	35°F(2°C)
Max Usable Temperature	120°F(49°C)

Storage and Handling

Training Foam should be stored in its original shipping container or in tanks or other containers which have been designed for such foam storage. Recommended construction materials are stainless steel (Type 304L or 316), high density cross-linked polyethylene, or reinforced fiberglass polyester (isophthalic polyester resin) with a vinyl ester resin internal layer coating (50 -100 mils).

Foam concentrates are subject to evaporation which accelerates when the product is exposed to air. Storage tanks should be sealed and fitted with a pressure vacuum vent to prevent free exchange of air. The recommended storage temperature range for Training Foam concentrate is 35°F (2°C) to 120°F (49°C). When product is stored in atmospheric storage tanks, contents must be covered with 1/4-inch (6.35mm) of National Foam Seal Oil to ensure prevention of air coming into contact with the foam concentrate. Use of Seal

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Oil is only recommended in stationary storage tanks. Refer to National Foam product data sheet NFC950 for further information.

Training Foam should not be mixed, stored, or used with any other type of foam concentrate. Proportioning and application equipment should be flushed clean after use and before using different foam concentrate types.

Shelf Life, Inspection, and Testing

The shelf life of any foam concentrate is maximized by proper storage conditions and maintenance. Factors affecting shelf life are wide temperature changes, extreme high or low temperatures, evaporation, dilution, and contamination by foreign materials. National Foam firefighting foam concentrates have been tested and have not shown significant loss of performance even after 10 years or more, provided annual testing and proper storage recommendations are followed. Refer to National Foam technical bulletin NFTB240 for recommendations on foam concentrate storage and preservation.

Environmental and Toxicological Information

The surfactants found in Training Foam can also be found in a wide variety of household, institutional, and industrial cleaning products. They are commonly employed in such products as fine-fabric detergents, dish washing liquids, laundry detergents, and carpet cleaners. Although the components were carefully selected for their properties, as with the above mentioned products, prolonged exposure will dry the skin. As with most soaps or detergents, contact to the eyes should be avoided.

Training Foam concentrate or foam solution should not be discharged directly into waterways or biological sewage treatment systems, without prior approval. Due to their foaming capacity, Training Foam concentrate and solution may require further dilution before entering the waste water treatment plant. Please consult the facility operator prior to disposal. Disposal or discharge of Training Foam concentrate or foam solution should be made in accordance with federal, state and local regulations.

The Biological Oxygen Demand (BOD) and Chemical Oxygen Demand (COD) of Training Foam are as follows:

BOD_{20} ..... 51,000 mg/kg
COD ..... 60,000 mg/kg

Training Foam has not been tested for acute oral toxicity, primary eye, or primary skin irritation.

Repeated skin contact will remove oils from the skin and cause dryness. Training Foam is a primary eye irritant, and contact with the eyes should be avoided. Users are advised to wear protective equipment. If Training Foam enters the eyes, flush them well with water and seek immediate medical attention. For further details, see the Training Foam Safety Data Sheet NMS710.

Ordering Information			
Container	Shipping Weight	Shipping Dimensions	Part Number
5-Gallon Pails (19 liters)	45 lb. (20.4 kg)	1.13 cu. ft.^{3} (0.032 cu. m)	1160-4340-6
55-Gallon Drums (208 liters)	486 lb. (220.4 kg)	11.1 cu. ft.^{3} (0.314 cu. m)	1160-4481-6
275-Gallon IBC Reusable Tote Tank (1041 liters)	2456 lb. (1114.0 kg)	48.2 cu. ft.^{3} (1.365 cu. m)	1160-4725-6
330-Gallon IBC Reusable Tote Tank (1249 liters)	2940 lb. (1333.6 kg)	55.8 cu. ft.^{3} (1.580 cu. m)	1160-4033-6
Bulk	8.44 lb./gal. (1.01 kg/l)		1160-4001-6

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