FOAM CONCENTRATES UL LISTED

ENVIRONMENTALLY FRIENDLY FOAM

FMT AFFF 3% C6

TECHNICAL DATA SHEET

FMT AFFF 3% C6 is superior quality aqueous film-forming foam which can be used at the specified concentration to extinguish fires of non – polar hydrocarbon fuels. This extinguishing agent is suitable for use with most types of proportioning and discharge equipment. AFFF foam concentrates are designed for rapid fire knockdown by producing a thin aqueous film which helps to precent the release of fuel vapours. The foam blanket from which the film forming liquid drains separates oxygen from the fuel surface, extinguishes the fire and prevents re-ignition. The water content of the foam provides a cooling effect. The aqueous film type 3% is produced by the fluorocarbon surfactant reducing the surface tension of the foam solution to a point where the solution can be supported by the surface tension of the fuel. FMT AFFF 3% C6 provides excellent penetrating and wetting qualities when used on Class A fires also. This is important when extinguishing deep-seated fires in wood, paper, rubber and other ordinary combustibles.

FEATURES

- UL Listed Foam Liquid Concentrate.
- Suitable for use with both aspirating foam and standard water fog nozzles
- If inadvertently frozen, thawing will render product completely serviceable again
- Suitable for use with fiber glass, polyethlene or stainless steel. FMT AFFF 3% C6 is not compatible with galvanised pipe or fittings in an undiluted form
- Suitable for use with either fresh or salt water
- Suitable for use with deluge or closed head foam water sprinkler systems
- Suitable for use with siliconised dry chemical extinguishing agents
- U.L. recommended application rate on hydrocarbon type fuels is 0.10gpm/ft^2

APPLICATIONS

FMT AFFF 3% C6 will provide quality protection for a wide range of hazardous areas such as:

- Crash Fire Rescue
- Defense Facilities
- Storage tanks (non-polar solvent type fuels only)
- Truck/Rail loading or unloading facilities
- Processing/Storage facilities
- Docks/Marine tankers
- Flammable liquid containment areas
- Mobile equipment

PERFORMANCE

The fire performance of FMT AFFF 3% C6 is measured against **Underwriters Laboratories Standard UL 162**

Environmentally Friendly
New Foam Chemistry

(FOAM LIQUID CONCENTRATE)
29LR
File No. EX 28475

DISCHARGE DEVICES

FMT AFFF 3% C6 is suitable for use with the following discharge devices:

- Foam Chambers
- Air-aspirating and non air-aspirating sprinkler heads or spray nozzles
- Standard water fog nozzles for hand lines and monitors
- Air-aspirating foam nozzles
- Foam Makers for use with either floating roof storage tanks or dike/bund protection systems
- High back pressure foam makers for subsurface base injection system (hydrocarbon type fuels only)

PROPORTIONING

FMT AFFF 3% C6 is designed for use with the following types of proportioning equipment:

- Fixed or portable in-line eductors
- In-line balanced pressure and pump pressure proportioning skid
- Bladder tank proportioning systems
- Handline, air-aspirating nozzles with fixed eductor pickup tube
- Around the pump proportioners

APPROVALS

UL (USA) Quality standard UL 162:

- Foam Quality Tests
- Class B Fire Test
- Foam Identification Tests
- Tests of Shipping Containers

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TYPICAL SPECIFICATION	
Product	AFFF 3% C6
Use Concentration	3%
Specific Gravity	1.02 ± 0.05
ph	6 ± 8.5
Viscosity @ 20 °C	<10 CST
Suspended sediment (v/v)	< 0.1 %
Freezing point	-2 °C
Pour Point	-1 °C
Storage temperature	+ 2 °C min +50 °C max
Foam Expansion	Low > 7
Foam Drainage 25%	3 minutes minimum

STORAGE AND HANDLING

FMT AFFF 3% C6 may be stored in its shipping container without change in its original physical or chemical characteristics. Shelf life is expected to be 10 years or more when stored at recommended temperatures and in original containers. It does not show significant sedimentation or precipitation in storage or after temperature cycling. Freezing and thawing have no effect on performance and the concentrate proportions satisfactorily in ordinary equipment at temperatures above +2°C.

Synthetic foam concentrates should only be stored in stainless steel (Type 304L or 316), reinforced fiberglass polyester with a vinyl ester resin internal layer coating or plastic containers.

ENVIRONMENTAL IMPACT

FMT AFFF 3% C6 is biodegradable, low in toxicity and can be treated in sewage treatment plants.

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