

**BLAZE**

Foam Concentrate

BT 6% Fluoroprotein

Description:

BT FP 6% is a premium Fluoro Protein Foam Concentrate formulated with advanced fluorinated surfactants blended into a specially developed protein foam base. This formulation produces a highly stable and fluid foam blanket that spreads rapidly across burning hydrocarbon fuel surfaces, ensuring quick and effective fire suppression.

The water-soluble fluorinated surfactants provide excellent hydrocarbon repellency, reducing the absorption of burning fuel particles into the foam during firefighting operations. This improves foam performance and enhances extinguishing efficiency on hydrocarbon fuel fires.

Once the fire is extinguished, the highly stable foam blanket offers excellent resistance to re-ignition and provides strong burn-back protection, even if hidden or inaccessible pockets of fire remain.

BT FP 6% is intended for use at a 6% proportioning rate with both fresh water and seawater. It can also be prepared and stored as a 6% premixed solution using fresh or potable water. The correct mixing ratio consists of 6 parts foam concentrate to 94 parts water, ensuring reliable and consistent firefighting performance across a wide range of industrial applications.

Features :

- UL LISTED Foam Liquid Concentrate.
- Suitable to combat MTBE & ULG fires.
- Suitable for use with either fresh or salt water.
- Suitable for use in fixed foam protection systems including subsurface into hydrocarbon fuels.
- Suitable for use with all siliconized dry chemical extinguishing agents.
- Suitable for use with deluge or closed head air-aspirating foam water sprinkler systems.
- Suitable for use with plastic, fiberglass, or mild steel containers.
- Recommended for use with air-aspirating foam nozzles.

Applications:

BT FP 6% will provide quality protection for a wide range of hazardous areas such as:

- Crash Fire Rescue
- Defense Facilities
- Storage tanks
- Truck/Rail loading or unloading facilities
- Processing/Storage facilities
- Docks/Marine tankers
- Flammable liquid containment areas
- Mobile equipment

Performance:

The fire performance of BT FP 6% is measured against Underwriters Laboratories Standard UL 162

Discharge Devices - BT FP 6% is suitable for use with the following discharge devices:	Proportioning devices - BT FP 6% is designed for use with the following types of proportioning equipment:
Foam Chambers	Fixed or portable in-line eductors
Air-aspirating and non-air-aspirating sprinkler heads or spray nozzles.	In-line balanced pressure and pump pressure proportioning skid
Standard water fog nozzles for handlines and monitors	Bladder tank proportioning systems
Air-aspirating foam nozzles	Handline, air-aspirating nozzles with fixed eductor pickup tube
Foam Makers for use with either Floating Roof Storage tanks or Dyke/Bund protection systems	Around the pump proportioners
High back pressure foam makers for subsurface base injection system (hydrocarbon type fuels only)	-

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Specifications:

Product	BT 6% Fluoroprotein
Appearance	Dark Brown Liquid
Concentration	6%
Specific Gravity	1.05 ± 0.05 g / ml
pH	6 - 8.5
Viscosity @ 20°C	< 20 cst
Suspended sediment (v/v)	< 0.2 %
Freezing Point	-2°C
Pour Point	-1°C
Storage Temperature	2°C + 50°C
Foam Expansion	Low > 7
Foam Drainage 25%	3-5 minutes minimum

Approvals:

Quality Management Systems ISO 9001 : 2015
Environmental Management Systems ISO 14001 : 2015
Occupational Health and Safety Management Systems
ISO 45001 - 2018

UL 162 Listed :

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

Storage and Handling :

BT FP 6% is designed for long-term storage stability and offers an expected shelf life of up to 10 years when stored in its original containers under recommended conditions. The foam concentrate performs effectively within a usable temperature range of 2°C to +50°C.

As with all protein-based foam concentrates, product life may vary depending on storage and transportation conditions. However, freezing and subsequent thawing do not affect the usability or firefighting performance of the product.

BT FP 6% can be safely stored in plastic, stainless steel (SS304), or FRP containers. For bulk storage applications, mild steel tanks may also be used, provided the internal surfaces are protected with a suitable coating such as epoxy. The use of galvanized materials is not recommended for storage tanks or pipework that comes into contact with the foam concentrate.

Environmental Impact :

BT FP 6% is biodegradable, low in toxicity and can be treated in sewage treatment plants.

Ordering Information	
BT FP 6% - JA	20L Jerry can
BT FP 6% - JB	25L Jerry can
BT FP 6% - D	200L Drum
BT FP 6% - IBC	1000L IBC

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