

**BLAZE**

Foam Concentrate

BT FFFP 3%

Description:

BT FFFP 3% is a high-performance Film Forming Fluoro Protein Foam Concentrate specially developed for effective and reliable fire suppression in demanding industrial environments. The formulation combines hydrolysed proteins, advanced preservatives, and carefully selected fluorinated surfactants to deliver superior firefighting performance and long-term stability.

The advanced blend of fluorochemicals significantly reduces both the surface tension of water and the interfacial tension between water and fuel. This enables the foam to form a stable aqueous film over the fuel surface, rapidly suppressing flames and delivering faster extinguishing performance compared to many conventional synthetic foam compounds.

The inclusion of protein in the formulation creates a thick, highly visible foam blanket with exceptional burn-back resistance. This protective layer effectively seals the fuel surface, minimizes vapour release, and helps prevent re-ignition after the fire has been extinguished.

BT FFFP 3% is suitable for use with both fresh water and seawater at the recommended proportioning rate. It can also be prepared and stored as a 3% premixed solution using fresh or potable water, offering greater flexibility for firefighting systems and emergency response operations.

Features :

- UL Listed.
- Suitable for use with either fresh or salt water.
- Suitable for use with either air-aspirating foam or standard water fog nozzles.
- Suitable for use in fixed foam protection systems, including subsurface injection systems.
- Suitable for use with plastic, fiberglass or stainless-steel containers.
- Suitable for use with all siliconized dry chemical extinguishing agents.

Applications:

BT FFFP 3% Foam Concentrate will provide quality protection for a wide range of hazardous areas such as:

- Airport Crash Fire Rescue
- Aircraft Hanger Fire Protection Systems
- Military Equipment Bases
- Truck/Rail loading or unloading facilities
- Docks/Marine tankers
- Flammable liquid containment areas
- Mobile equipment

Performance:

The fire performance of BT FFFP 3% Foam Concentrate is measured against UL 162

Discharge Devices - BT FFFP 3% is suitable for use with the following discharge devices:	Proportioning devices - BT FFFP 3% 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)	-

BLAZETECH SYSTEMS LTD. contact@blaze-tech.co.uk

Milton Keynes, United Kingdom

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PRECISION YOU CAN TRUST**01/02**

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Specifications:

Product	BT FFFP 3%
Concentration	3%
Specific Gravity	1.08 ± 0.03 g / ml
pH	7.5 ± 0.5
Viscosity @ 20°C	<20 cst
Suspended sediment (v/v)	< 0.10 %
Freezing Point	-8°C
Pour Point	-7°C
Storage Temperature	-7° C to 49°C
Foam Expansion	Low > 8
Foam Drainage 25%	3 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 FFFP 3% is designed for long-term storage stability and can be safely stored in its original shipping containers without any change to its physical or chemical properties. When maintained under recommended storage temperatures and kept in original containers, the foam concentrate offers an expected shelf life of 10 years or more.

The product remains highly stable during storage and does not exhibit significant sedimentation or precipitation, even after temperature cycling. Its firefighting performance is not affected by freezing and thawing conditions, and the concentrate continues to proportion effectively through standard firefighting equipment at temperatures above -7°C.

For optimum compatibility and product integrity, foam concentrates should only be stored in approved storage materials such as stainless steel tanks (Type 304L or 316), reinforced fiberglass polyester tanks with a vinyl ester resin internal lining, or suitable plastic containers.

Environmental Impact :

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

Ordering Information	
BT FFFP 3% - JA	20L Jerry can
BT FFFP 3% - JB	25L Jerry can
BT FFFP 3% - D	200L Drum
BT FFFP 3% - IBC	1000L IBC

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