

**BLAZE**

Foam Concentrate

BT FFFP-AR 3% x 6% C6

Description:

BT FFFP-AR 3% x 6% C6 is a high-performance protein-based alcohol-resistant foam concentrate designed to deliver excellent fire suppression, superior sealing capability, and outstanding burn-back resistance. The formulation combines hydrolysed proteins, fluorochemicals, metal salts, advanced stabilizers, and preservatives to ensure reliable firefighting performance along with excellent storage stability.

This versatile foam concentrate is highly effective against both hydrocarbon fuel fires and polar solvent fires. Its unique formulation produces a stable and durable foam blanket that provides exceptional burn-back resistance and strong sealing properties, helping to quickly suppress flames and prevent re-ignition.

BT FFFP-AR 3% x 6% C6 is intended for use at a 3% proportioning rate on hydrocarbon fuel fires using either fresh water or seawater. For polar solvent and water-miscible fuel fires, the foam should be applied at a 6% concentration. It can also be prepared and stored as a 3% premixed solution using fresh or potable water for added operational flexibility.

By combining the advantages of protein foam technology with alcohol-resistant performance, BT FFFP-AR 3% x 6% C6 provides firefighters with a dependable and efficient solution for handling a wide range of fire hazards across industrial, petrochemical, aviation, and high-risk environments.

Features :

- Complies to UK DEF 42/40 Issue 1, ICAO DOC9137- AN898 Part 1.
- Suitable for use on hydrocarbon or polar solvent type fuels.
- Excellent wetting characteristics when used in combating Class A fuel fires.
- Suitable for use with carbon steel, fiberglass, polyethylene with galvanised pipe or fittings in an undiluted form.
- Suitable for use with all siliconized dry chemical extinguishing agents.
- Compatible with other AFFF-AR concentrates of equal quality.
- Good Sealing Effect on hot metal surfaces or stainless steel is not compatible.

Applications:

BT FFFP-AR 3% x 6% C6 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 FFFP-AR 3% x 6% C6 is measured against Underwriters Laboratories Standard UL 162

Discharge Devices - BT FFFP-AR 3% x 6% C6 is suitable for use with the following discharge devices:	Proportioning devices - BT FFFP-AR 3% x 6% C6 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-AR 3% x 6% C6
Concentration	3% - 6%
Specific Gravity	1.05 ± 0.02 g / ml
pH	7.0 ± 0.5
Viscosity @ 20°C	1250 ± 500 cps
Suspended sediment (v/v)	< 0.5 %
Freezing Point	-5°C
Pour Point	-4°C
Storage Temperature	+5°C to +49°C
Foam Expansion	Low > 7
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-AR 3% x 6% C6 is formulated for long-term storage stability and can be safely stored in its original shipping containers without any change in its physical or chemical properties. When maintained at recommended storage temperatures and kept in original containers, the product offers an expected shelf life of 20 years or more.

For storage in atmospheric foam concentrate tanks, whether installed on mobile firefighting equipment or stationary systems, it is recommended to minimize the air space above the foam concentrate surface wherever possible. To further reduce the effects of evaporation and maintain product quality, a thin layer of high-quality mineral oil may be applied over the surface of the foam concentrate. This helps preserve the foam's performance and extends its storage reliability over time.

Environmental Impact :

BT FFFP-AR 3% x 6% C6 is biodegradable, low in toxicity and can be treated in sewage treatment plants.

Ordering Information

BT FFFP-AR 3% x 6% C6 - JA	20L Jerry can
BT FFFP-AR 3% x 6% C6 - JB	25L Jerry can
BT FFFP-AR 3% x 6% C6 - D	200L Drum
BT FFFP-AR 3% x 6% C6 - IBC	1000L IBC

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