

**BLAZE**

Foam Concentrate

BT ECO PLUS AR-AFFF 3% C6

Description:

BT ECO PLUS AR-AFFF 3% C6 is a high-efficiency, multi-purpose alcohol-resistant aqueous film-forming foam concentrate designed for rapid and reliable fire suppression. Its advanced film-forming properties allow the foam to spread quickly across the fuel surface, delivering fast flame knockdown and effective vapour suppression.

Enhanced with specially formulated polymers, BT ECO PLUS AR-AFFF 3% C6 provides outstanding performance on both hydrocarbon fuels and polar solvent fires. It is highly effective against fuels such as gasoline, kerosene, diesel, alcohols, ketones, esters, and other water-miscible liquids.

One of the key advantages of BT ECO PLUS AR-AFFF 3% C6 is its ability to operate at a single 3% proportioning rate for all Class B fire hazards, simplifying firefighting operations while ensuring dependable protection and excellent burn-back resistance.

Features :

- 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 or stainless steel. BT ECO PLUS AR-AFFF 3% C6 is not compatible with galvanised pipe or fittings in an undiluted form.
- Suitable for use with all siliconized dry chemical extinguishing agents.
- Recommended minimum application rate on hydrocarbon fuels is 0.10 gpm/ft².
- Recommended minimum application rate on polar solvent fuels is 0.17 gpm/ft² (Some Polar type fuel fires may be successfully extinguished with a lower application rate).
- Compatible with other 3% x 3% AR-AFFF C6 concentrates of equal quality.

Applications:

BT ECO PLUS AR-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 BT ECO PLUS AR-AFFF 3% C6 is measured against Underwriters Laboratories Standard UL 162

Discharge Devices - BT ECO PLUS AR-AFFF 3% C6 is suitable for use with the following discharge devices:	Proportioning devices - BT ECO PLUS AR-AFFF 3% 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 ECO PLUS AR-AFFF 3% C6
Concentration	3%
Specific Gravity	1.05 ± 0.05 g / ml
pH	8.0 ± 0.5
Viscosity @ 20°C	1750 ± 500 cps
Suspended sediment (v/v)	< 0.10 %
Freezing Point	-2°C
Pour Point	-1°C
Storage Temperature	+2°C to +50°C
Foam Expansion	Low > 7
Foam Drainage 25%	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 ECO PLUS AR-AFFF 3% 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 ECO PLUS AR-AFFF 3% C6 is biodegradable, low in toxicity and can be treated in sewage treatment plants.

Ordering Information

BT ECO PLUS AR-AFFF 3% C6 - JA	20L Jerry can
BT ECO PLUS AR-AFFF 3% C6 - JB	25L Jerry can
BT ECO PLUS AR-AFFF 3% C6 - D	200L Drum
BT ECO PLUS AR-AFFF 3% C6 - IBC	1000L IBC

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