

**BLAZE**

Foam Concentrate

BT AR-AFFF 1% x 1% C6

Description:

BT AR-AFFF 1% x 1% C6 is a highly efficient, multi-purpose alcohol-resistant aqueous film-forming foam concentrate designed for superior fire suppression performance. This advanced 1x1 foam formulation combines rapid film-forming action with alcohol-resistant properties, making it suitable for a wide range of fire hazards.

The foam spreads quickly across the fuel surface, forming an effective aqueous film that rapidly suppresses flames and controls the release of flammable vapours. Its excellent film-forming capability makes it highly effective against hydrocarbon fuel fires, while the specially formulated polymer additives provide strong resistance and protection against polar solvent and water-miscible fuel fires.

BT AR-AFFF 1% x 1% C6 is specifically developed for use on hydrocarbon fuels such as gasoline, diesel, and kerosene at a 1% proportioning rate. It is equally effective on polar solvents and water-miscible liquids including alcohols, ketones, esters, and similar chemicals, also at a 1% proportioning rate. This versatility makes it an ideal firefighting solution for industrial, petrochemical, aviation, and high-risk applications.

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 AR-AFFF 1% x 1% 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 0.10gpm/ft².
- Recommended minimum application rate on polar solvent fuels is 0.10 gpm/ft³ (Some Polar type fuel fires may be successfully extinguished with a lower application rate).
- Compatible with other 1% x 1% AR-AFFF concentrates of equal quality.

Applications:

BT AR-AFFF 1% x 1% 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 AR-AFFF 1% x 1% C6 is measured against Underwriters Laboratories Standard UL 162

Discharge Devices - BT AR-AFFF 1% x 1% C6 is suitable for use with the following discharge devices:	Proportioning devices - BT AR-AFFF 1% x 1% 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 AR-AFFF 1% x 1% C6
Concentration	1% or 1%
Specific Gravity	1.05 ± 0.03 g / ml
pH	7.5 ± 0.5
Viscosity @ 20°C	1250 ± 500 cps
Suspended sediment (v/v)	< 0.1 %
Freezing Point	-1°C
Pour Point	0°C
Storage Temperature	0°C to +50°C
Foam Expansion	Low > 8
Foam Drainage 25%	7 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 AR-AFFF 1% x 1% 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 10 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 AR- AFFF 1% x 1% C6 is biodegradable, low in toxicity and can be treated in sewage treatment plants.

Ordering Information	
BT AR-AFFF 1% x 1% C6 - JA	20L Jerry can
BT AR-AFFF 1% x 1% C6 - JB	25L Jerry can
BT AR-AFFF 1% x 1% C6 - D	200L Drum
BT AR-AFFF 1% x 1% C6 - IBC	1000L IBC

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