



Foam Concentrate

BT 3x3 AR-FFFP 3%

Description:

BT 3x3 AR-FFFP 3% is a high-performance protein-based foam concentrate specially formulated to provide excellent sealing capability and superior burn-back resistance during firefighting operations. Developed using a balanced blend of hydrolysed proteins, fluorochemicals, metal salts, advanced stabilizers, and preservatives, the foam delivers reliable performance along with excellent storage stability.

Designed for multi-purpose fire protection, BT 3x3 AR-FFFP 3% is highly effective on both hydrocarbon fuel fires and polar solvent fires. Its exceptional foam stability and strong sealing properties help suppress flames quickly while minimizing the risk of re-ignition, making it suitable for demanding industrial and petrochemical applications.

The foam concentrate is intended for use at a 3% proportioning rate with either fresh water or seawater. It can also be stored and used as a 3% premixed solution in fresh or potable water, offering greater flexibility and convenience for firefighting systems and emergency response operations.

Features :

- UL Listed Foam Liquid Concentrate.
- Suitable for use with either fresh or salt water.
- Suitable for use on hydrocarbon or polar solvent type fuels.
- Excellent wetting characteristics when used in combating Class A fuel fires.
- Excellent sealing effect on hot metal surfaces.
- Compatible with other AR-FFFP concentrates of equal specifications.
- Suitable for use with all siliconized dry chemical extinguishing agents.

Applications:

BT 3x3 AR-FFFP 3% Foam Concentrate 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 3x3 AR-FFFP 3% Foam Concentrate is measured against UL 162

Discharge Devices - BT 3x3 AR-FFFP 3% is suitable for use with the following discharge devices:	Proportioning devices - BT 3x3 AR-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.

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01/02

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BT 3x3 AR-FFFP 3%

Specifications:

Product	BT 3x3 AR-FFFP 3%
Concentration	3%
Specific Gravity	1.05 ± 0.05 g / ml
pH	7.2 ± 0.5
Viscosity @ 20°C	<40 cst
Suspended sediment (v/v)	< 0.5 %
Freezing Point	-15°C
Pour Point	-13°C
Storage Temperature	1.7° C to 49°C
Foam Expansion	Low > 7
Foam Drainage 25%	4 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 3x3 AR-FFFP 3% 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 3x3 AR-FFFP 3% is biodegradable, low in toxicity and can be treated in sewage treatment plants.

Ordering Information	
BT 3x3 AR-FFFP 3% - JA	20L Jerry can
BT 3x3 AR-FFFP 3% - JB	25L Jerry can
BT 3x3 AR-FFFP 3% - D	200L Drum
BT 3x3 AR-FFFP 3% - IBC	1000L IBC

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