



Synthetic Fluorine Free Foam

BT-SFFF 3%

Description:

BT-SFFF 3% is a high-performance, environmentally responsible firefighting foam concentrate specially formulated for Class B hydrocarbon fuel fires. Used at a 3% concentration, the foam delivers rapid flame knockdown, excellent burn-back resistance, and stable foam coverage for effective fire suppression.

The foam forms a strong and cohesive blanket over the fuel surface, helping to cut off oxygen supply and suppress the release of flammable vapours. Its cooling properties further enhance firefighting efficiency, ensuring fast and reliable extinguishment.

BT-SFFF 3% performs effectively with both fresh water and seawater, making it suitable for a wide range of fixed and mobile firefighting systems. Its fluorine-free formulation offers a safer and more sustainable solution for industrial, marine, aviation, and high-risk fire protection applications.

Features :

- 100% Fluorine-Free and biodegradable.
- Excellent burn-back resistance and fire control performance.
- Compatible with fresh and sea water.
- UL listed.
- Substantially lower usage rates than most synthetic foams.
- Suitable for both mobile and fixed installations.
- Can be applied using low, medium or high expansions systems.
- Stable premix for over 30 days when mixed with potable water, which is significantly longer than traditional class A foam solutions.
- NO PFAS, PFOA, or fluorinated surfactants.
- Exhibits excellent foamability, even in cold water conditions.
- Good compatibility with class A/B systems and dry powder ABC.

Compatibility:

- Fixed proportioning system
- Foam chambers and monitors
- Nozzles and sprinklers

Packaging:

- Jerrycan 20/25/30 Liters
- Drum 200 Liters
- IBC 1000 Liters

Environmental Impact :

- Fluorine - free, PFAS-free formulation
- Readily biodegradable and low in toxicity
- Compatible with effluent treatment plants

Specifications:

Product	BT-SFFF 3%
Use Concentration	3%
Specific Gravity @20 °C	1.02 ± 0.02
pH	7.5 ±1.0
Viscosity @ 20 °C (LV-4 Spindle @100RPM)	1800 ± 500 mPas
Storage Temperature	1.7°C to 49°C
Freezing Point	-5 °C
Suspended Sediment	<0.25%
Foam Expansion	Low >8
Foam Drainage	10 minutes minimum

Areas Of Application :

- Forestry
- Mining
- Industrial fire
- Automotive industry
- Hydrocarbon spill control
- Polymer manufacturing
- Domestic fire
- Mobile equipment

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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-SFFF 3% is designed for reliable long-term storage and performs effectively within a recommended temperature range of 35°F (1.7°C) to 120°F (49°C). The foam concentrate remains stable even after repeated freeze/thaw cycles and offers excellent premix stability characteristics.

When premixed with potable municipal water, BT-SFFF 3% has demonstrated stable performance with no significant loss in foam expansion or drainage properties for up to 30 days, although actual results may vary depending on water quality. For optimum storage and product integrity, BT-SFFF 3% should be stored in its original shipping containers or in specially designed foam storage tanks. Recommended storage materials include stainless steel (Type 304L or 316), high-density cross-linked polyethylene, or reinforced fiberglass polyester tanks with a vinyl ester resin internal lining.

When stored under recommended conditions, BT-SFFF 3% offers an expected shelf life of 10 years or more while maintaining its firefighting performance and physical properties.

Environmental Impact :

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

Ordering Information

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

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