

## DESCRIPTION

**FILMFOAM SF3<sup>C6</sup> ICAO** is a Aqueous Film Forming Foam (AFFF) Type 3 foam concentrate. It is a superior quality aqueous film forming foam which can be used at 3% concentration to extinguish fires of non-polar hydrocarbon fuels specially designed for fire of aviation gasoline (AVGAS) and aviation turbine fuel (ATF). **FILMFOAM SF3<sup>C6</sup> ICAO** is suitable for use with most types of proportioning and discharge equipment.

**FILMFOAM SF3<sup>C6</sup> ICAO** foam concentrate are designed for rapid fire knockdown by producing a thin aqueous film which helps to prevent the release of fuel vapour. The foam blanket from which the film forming liquid drains separates oxygen from the fuel surface, extinguishes the fire and prevents re-ignition. The water content of the foam provides a cooling effect.

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**FILMFOAM SF3<sup>C6</sup> ICAO** provides excellent penetrating and wetting qualities when used on Class A fires. This is important when extinguishing deep-seated fires in wood, paper, rubber and other ordinary combustibles

## FEATURES

- **Conforms to ICAO Level B and Level C**
- Suitable for use with either fresh or salt water
- Film forming for fast flame knockdown
- Better burn back resistance and post fire security
- Suitable for use with both aspirating foam and standard water fog nozzle
- If inadvertently frozen, thawing will render product completely serviceable again
- Suitable for use with fiber glass, polyethylene or stainless steel. **FILMFOAM SF3<sup>C6</sup> ICAO** is not compatible with galvanized pipe or fittings in an undiluted form
- Suitable for use with siliconized dry chemical extinguishing agents

## PROPORTIONING

**FILMFOAM SF3<sup>C6</sup> ICAO** is designed for use with the following types of proportioning equipment.

- Fixed or portable in-line educators
- In-line balanced pressure and pump pressure proportioning skid
- Bladder tank proportioning systems
- Around the pump inductors
- Handline, air-aspirating nozzles with fixed eductor pickup tube

## DISCHARGE DEVICES

**FILMFOAM SF3<sup>C6</sup> ICAO** is suitable for use with the following discharge devices.

- Standard water fog nozzles for hand lines and monitors
- Air-aspirating foam nozzles
- Air-aspirating and non air-aspirating sprinkler heads or spray nozzles
- Medium Expansion Foam Branch pipes
- Foam Monitors

## APPLICATIONS

**FILMFOAM SF3<sup>C6</sup> ICAO** will provide quality protection for a wide range of hazardous areas such as:

- Crash Fire Rescue
- 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

## TYPICAL SPECIFICATION

Product	<b>FILMFOAM NF3<sup>C6</sup> ICAO</b>
Type	3%
Appearance	Amber color
Specific Gravity at 20°C	1.03 ± 0.02 gm/ml
pH at 20°C	6.0 - 8.5
Viscosity at 20°C	< 5mm <sup>2</sup> /s
Expansion	Low > 8.0
Drain time	≥ 3 min
Freezing Point	≤ -5°C
Storage temperature	0 to 50°C
Spreading coefficient	> 3 dynes/cm

## ORDERING INFORMATION

**FILMFOAM NF3<sup>C6</sup> ICAO** is available in 200 Liters Drum. Other packing as per customer requirements can also be done

Part No. <b>FILMFOAM NF3<sup>C6</sup> ICAO</b> - J	20L
Part No. <b>FILMFOAM NF3<sup>C6</sup> ICAO</b> - J	25L
Part No. <b>FILMFOAM NF3<sup>C6</sup> ICAO</b> - J	30L
Part No. <b>FILMFOAM NF3<sup>C6</sup> ICAO</b> - D	200L
Part No. <b>FILMFOAM NF3<sup>C6</sup> ICAO</b> - I	1000L

## APPROVAL OR CONFORMANCE

**FILMFOAM NF3<sup>C6</sup> ICAO** tested and certified by Lloyd's Register as per ICAO level B and level C of airport manual part 1 of DOC no.9317-AN/898, 2015 edition also conforms to the performance of 1A as per BS EN1568:3

## ENVIRONMENTAL IMPACT

**FILMFOAM NF3<sup>C6</sup> ICAO** is biodegradable, low in toxicity and can be treated in sewage treatment plants.

## STORAGE AND HANDLING

**FILMFOAM NF3<sup>C6</sup> ICAO** may be stored in its shipping container without change in its original physical or chemical characteristics. The expected shelf life is 20 years when stored in original NAFFCO supplied containers and storage condition at temperature recommended by manufacturer. It does not show significant sedimentation or precipitation in storage or after temperature cycling. Freezing and thawing have no effect on performance and the concentrate proportion satisfactorily in ordinary equipment.

Synthetic foam concentrate should only be stored in stainless steel (Type 304 or 316), reinforced fiberglass polyester with a vinyl ester resin internal layer coating or plastic containers.

For suggestions write to foams@naffco.ae

Errors & Omissions expected.