



ENVIRO-AR^{F3} FLOURINE FREE FOAM 3/3

DESCRIPTION

ENVIRO-AR^{F3} FLOURINE FREE FOAM 3/3

Synthetic Fluorine Free Foam Concentrate is a specially formulated, synthetic, fire fighting foam concentrate. It contains no alkyl phenol ethoxylates or fluorine. As a result, it is 100% biodegradable and presents the lowest environmental impact of any Class B firefighting foam. It produces an exceptionally strong and cohesive foam blanket, aiding in rapid knockdown and extinguishment of hydrocarbon fires. The strong foam blanket also protects extinguished fuel from re-ignition.

It is intended for use on hydrocarbons fules such as gasoline, kerosene, diesel, etc. and polar solvent / water miscible fule such as alcohols, ketones, esters etc. at the same use concentration of 3x3%.

FEATURES

- Because of its superior environmental impact properties, this product is ideally suited for municipalities and fire departments. Excellent wetting characteristics when used in combating Class A fuel fires
- Suitable for use with either fresh, brackish, or sea water
- Contains no fluorosurfactants or fluorine!
- Suitable for use with aspirating foam nozzles
- Suitable for use with certain deluge or closed head foam water sprinkler systems
- If inadvertently frozen, thawing will render
- product completely serviceable again
- Suitable for use with carbon steel, fiberglass, polyethylene or stainless steel. AR-FFF is not compatible with galvanized pipe or fittings in an undiluted form

PROPORTIONING

ENVIRO-AR^{F3} FLOURINE FREE FOAM 3/3 is designed for use with the following types of proportioning equipment.

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

DISCHARGE DEVICES

ENVIRO-AR^{F3} FLOURINE FREE FOAM 3/3 is suitable for use with the following discharge devices.

- Foam chambers
- Air-aspirating and non air-aspirating sprinkler heads or spray nozzles
- Standard water fog nozzles for handlines and monitors
- Air-aspirating foam nozzles
- Foam makers for use with either floating roof storage tanks or dike/bund protection systems
- High back pressure foam makers for subsurface base injection system

APPLICATIONS

ENVIRO-AR^{F3} FLOURINE FREE FOAM 3/3 will provide quality protection for a wide range of hazardous areas such as:

- Crash Fire Rescue
- Defense Facilities
- Storage tanks
- Truck/Rail loading or unloading facilities
- Processing/Storage facilities
- Docks/Marine tankers
- Flammable liquid containment areas
- Mobile equipment

For suggestions write to foams@naffco.com

Errors & Omissions expected.

TYPICAL SPECIFICATION

Product	ENVIRO-AR ^{F3}
Use Concentration	3%x 3%
Appearance	Pale Yellow Color
Specific Gravity @ 20°C	1.020 ± 0.02
pH @ 20°C	7.00 ± 0.5
Viscosity @ 20°C #4 60rpm	2500 ± 500 cSt
Suspended sediment (v/v)	< 0.10 %
Freezing Point	-2°C
Pour Point	-1°C
*Foam Expansion	> 7
*Foam Drainage 25%	Min. 5 minutes
<i>*Expansion & Drainage values depend on the equipment & the application conditions</i>	

PERFORMANCE

The fire performance of **ENVIRO-AR^{F3}** FLOURINE FREE FOAM 3/3 is compliance to UL 162. (UL Listing is under process)

ENVIROMENTAL IMPACT

ENVIRO-AR^{F3} FLOURINE FREE FOAM 3/3 is biodegradable, low in toxicity and can be treated in sewage treatment plants.

STORAGE AND HANDLING

may be stored in its shipping container without change in its original physical or chemical characteristics. Shelf life is expected to be 10 years or more when stored at recommended temperatures and in original containers. 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 proportions satisfactorily in ordinary equipment at temperatures above +2°C.

Synthetic foam concentrates should only be stored in stainless steel (Type 304L or 316), reinforced

fiberglass polyester with a vinyl ester resin internal layer coating or plastic containers.

ORDERING INFORMATION

ENVIRO-AR^{F3} FLOURINE FREE FOAM 3/3 is available in 20 Liter Jerry Can, 200 Liter Drum and 1000 Liter IBC Tote. Other packing as per customer requirements can also be done.

Part No: ENVIRO AR^{F3} – 3% - J – 20L

Part No: ENVIRO AR^{F3} – 3% - D – 200L

Part No: ENVIRO AR^{F3} – 3% - T – 1000L

NOTE: We reserve the right to modify specification without prior notice.

ENVIRONMENTALLY FRIENDLY FOAM