



FILMPLUS AR (1X3)-C6 AR-AFFF 1X3%

DESCRIPTION

FILMPLUS AR (1X3)-C6 is a new generation of Alcohol Resistant Aqueous Film Forming Foam Concentrate based on C6 fluorosurfactants which are safer to the environment when fighting hydrocarbon and polar solvent fires.

The film forming characteristics of **FILMPLUS AR (1X3)-C6** means that it spreads rapidly across a fire. As a result, it is highly effective against hydrocarbon fires and with the addition of special polymers it is also highly effective against polar solvents. When used in an emergency, it generates a free flowing cohesive foam blanket with excellent burn back resistance.

It is intended for use at a proportioning rate of 1% (1 parts concentrate and 99 parts water) when used on hydrocarbon fuels such as gasoline, diesel, jet fuel or kerosene. On water miscible / polar solvent type fuels, it is intended for use at a proportioning rate 3% (3 parts concentrate and 97 parts water).

FEATURES

- **UL Listed Foam Liquid Concentrate**
- **Made from C6 based Fluorosurfactants**
- Suitable for use on hydrocarbon or polar solvent type fuels
- Suitable for use with either fresh or salt water
- Excellent wetting characteristic when used in combating Class A fuels type fires
- Suitable for use with carbon steel, fiberglass, polyethylene or stainless steel. It is not compatible with galvanized pipe or fitting in an undiluted form
- Suitable for use with dry chemical extinguishing agents
- Compatible with all types of equivalent foam
- Recommended minimum application rate on hydrocarbon fuels is 0.10 gpm/ft²
- Recommended minimum application rate in polar solvent fuel is 0.16 gpm/ft² (some polar type fuel fires may be successfully extinguished with a lower application quality).

PROPORTIONING

FILMPLUS AR (1X3)-C6 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

FILMPLUS AR (1X3)-C6 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

APPLICATIONS

FILMPLUS AR (1X3)-C6 will provide quality protection for a wide range of hazardous areas such as:

- Hazardous waste storage facilities
- Storage tanks
- Truck/Rail loading or unloading facilities
- Processing/Storage facilities
- Docks/Marine tankers
- Flammable liquid containment areas
- Mobile equipment

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For suggestions write to foams@naffco.com

Errors & Omissions expected.

TYPICAL SPECIFICATION

Product	AR-AFFF
Use Concentration	1% on hydrocarbons 3% on polar solvents
Specific Gravity @ 20°C	1.05 ± 0.02
pH @ 20°C	8.0 ± 1.0
Viscosity @ 20°C, #4 , 60 rpm	1,400 ± 200 cSt
Pour Point	Flow at 0°C
*Foam Expansion	> 7
*Foam Drainage 25%	> 5 minutes
Spreading Coefficient	> 3 dynes/cm
<i>*Expansion & Drainage values depend on the equipment & the application conditions</i>	

PERFORMANCE

The fire performance of **FILMPLUS AR (1X3)-C6** is measured against Underwriters Laboratories Standard UL 162-7th Edition.

ENVIROMENTAL IMPACT

FILMPLUS AR (1X3)-C6 is biodegradable, low in toxicity and can be treated in sewage treatment plants.

STORAGE AND HANDLING

If kept in its original container or suitable storage tank within the recommended temperature range of +1.7°C to +49°C, a minimum shelf life of 10 years can be expected.

If the **FILMPLUS AR (1X3)-C6** is to be stored in an atmospheric type foam concentrate storage tank whether on mobile apparatus or stationery, limit the air space above the surface of the concentrate where possible and place a thin layer of quality mineral oil on the surface of the foam concentrate to minimize any effect from evaporation.

ORDERING INFORMATION

FILMPLUS AR (1X3)-C6 is available in 20 Liters Jerry Can (or) 200 Liters Drum. Other packing as per customer requirements can also be done.

Part No. FILMPLUS AR (1X3)-C6-J	20L
Part No. FILMPLUS AR (1X3)-C6-D	200L

APPROVAL

UL (USA) Quality Standard UL 162

- Foam Quality Tests
- Class B Fire Test
- Foam Identification Tests
- Test of Shipping Containers



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

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