

# FILMPLUS AR (3X3)-C6 AR-AFFF 3%

## DESCRIPTION

**FILMPLUS AR (3X3)-C6** is a new generation of Alcohol Resistant Aqueous Film Forming Foam AR-AFFF foam concentrates is manufactured with PFOS and PFOA free C6 based fluorosurfactants in line with USEPA stewardship guideline.

The film forming characteristics of **FILMPLUS AR (3X3)-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 proportioning rate of 3% (3 parts of concentrate and 97 parts of water) on hydrocarbon fuels such as gasoline, diesel, jet fuel, kerosene etc., AND on polar solvent/water miscible fuels such as alcohols, ketones, esters, etc.

## FEATURES

- **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/ft<sup>2</sup>
- Recommended minimum application rate in polar solvent fuel is 0.16 gpm/ft<sup>2</sup> (some polar type fuel fires may be successfully extinguished with a lower application quality).

## PROPORTIONING

**FILMPLUS AR (3X3)-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 (3X3)-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 (3X3)-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

### TYPICAL SPECIFICATION

Product	AR-AFFF
Use Concentration	3% on hydrocarbons and polar solvents
Specific Gravity @ 20°C	1.02 ± 0.02
pH @ 20°C	8.0 ± 1.0
Viscosity @ 20°C, #4 , 60 rpm	1,200 ± 200 cSt
Pour Point	Flow at 0°C
*Foam Expansion	> 7
*Foam Drainage 25%	> 5 minutes
Spreading Coefficient	> 3 dynes/cm

*\*Expansion & Drainage values depend on the equipment & the application conditions*

### PERFORMANCE

The fire performance of **FILMPLUS AR (3X3)-C6** is measured against Underwriters Laboratories Standard UL 162-7<sup>th</sup> Edition.

### ENVIROMENTAL IMPACT

**FILMPLUS AR (3X3)-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 (3X3)-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 (3X3)-C6** is available in 20 Liter Jerry Can and 200 Liter Drum . Other packing as per customer requirements can also be done.

Part No. FILMPLUS AR (3X3)-C6-J	20L
Part No. FILMPLUS AR (3X3)-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.