



FOAMGARD 3% ALCOHOL RESISTANT AQUEOUS FILM FORMING FOAM CONCENTRATE (3% AR-AFFF)

Features

- Single 3% Proportioning Rate on both Class B Hydrocarbon and Polar Solvent Fuels
- Suitable for Use with Fresh or Salt Water
- Superior Knockdown Performance on Hydrocarbon fires
- Excellent wetting characteristics on Class A Fuel Fires
- Use with both Aspirating foam Nozzles and Inline Eductors
- Use with Fixed Foam Discharge Outlets
- Suitable for Storage in Carbon Steel, Fibreglass, Polyethylene or Stainless Steel tanks but is not compatible with galvanised pipe or fittings in an undiluted form.
- U.L. Listed
- Predespatched Marine approvals available on request

Product Specification:

FOAMGARD 3% AR-AFFF is manufactured of fluoro-tensides, hydrocarbon-tensides, polysaccharides and other chemical ingredients to become a non-toxic foam concentrate that works well on both Class B hydrocarbon type fuels or polar solvent fuels. . It is formulated to provide a superior knockdown performance on generation of an aqueous film on Class B hydrocarbon type fuels or a polymeric membrane on polar solvent/water miscible type fuels. It also has an excellent penetration quality as a wetting agent when used on Class A fires and is very effective in extinguishing deep seated fires in wood, coal, rubber and plastic materials.

It is intended for use at 3% proportioning rate (3 parts AR-AFFF concentrate to 97 parts water) on Class B hydrocarbon based flammable liquids such as gasoline, kerosene and diesel as well as on polar solvent/water miscible fuels such as isopropyl alcohols, ketones and esters.

FOAMGARD 3% AR-AFFF is suitable for use with a wide range of standard, conventional proportioning equipment such as inline eductors (fixed or portable), in-line balanced pressure and pump pressure proportioning skids, bladder tank balanced pressure proportioning systems, around-the-pump proportioners, handlines and air-aspirating branchpipes.

FOAMGARD 3% AR-AFFF can be used with foam discharging devices such as foam chambers and foam makers for either cone or floating roof storage tanks and dike/bund protection systems, air-aspirating and non air-aspirating sprinklers for warehouses and tanker loading areas, standard hose reel handlines and monitors for spill fires and high back pressure foam makers for subsurface base injection systems (Class B hydrocarbon type fuels only).

FOAMGARD 3% AR-AFFF will provide premier protection for a wide range of hazardous areas including crash fire rescue, storage tanks, truck/rail loading or unloading facilities, processing/storage facilities, docks/marine tankers, flammable liquid containment areas and mobile equipment.



Foaming Characteristics:

Most aspirating type discharge devices will typically generate expansion ratios of 6-10 to 1 when FOAMGARD 3% AR-AFFF is mixed with water at the correct ratio. Non-aspirating type devices will typically generate expansion ratio of 2-4 to 1. Expansion ratios are governed by the type of discharge device, flow rate and discharge pressure.

Typical Chemical and Physical Properties at 27° C

Appearance	Clear Light Yellow
Specific Gravity	1.01 +/- 0.01
pH	7.5 +/- 0.5
Viscosity	Less than 1200 cps
Spreading Coefficient	More than 4.5
Sludge Content (%V/V)	Less than 0.1%
Surface Tension (dyn/cm)	Less than 17

Environmental Impact:

FOAMGARD 3% AR-AFFF is biodegradable, low in toxicity and can be treated in sewage treatment plants.

Storage Condition:

FOAMGARD 3% AR-AFFF can be stored in plastic/plastic lined containers. For bulk storage, stainless steel or mild steel tanks with internal epoxy coating is recommended. It is advisable to place a thin layer of mineral oil on the surface of the foam concentrate to minimise evaporation.

If stored in original manufacturer's supplied drums or pails within the temperature range of 2°C to 49°C, a shelf life of between 20 to 25 years can be expected.

For other storage conditions, please check with Progard for storage guidelines.

Ordering Information:

FOAMGARD 3% AR-AFFF is supplied in 20 litre or 30 litre plastic pails or 200 litre plastic drums.

<u>Part Number</u>	<u>Capacity</u>	<u>Packing</u>	<u>Shipping Weight</u>
FOAMGARD AR33-20	20 litre (5.28 gallon)	Pail	21.3 kg (47 lbs)
FOAMGARD AR33-30	30 litre (7.92 gallon)	Pail	31.5 kg (70 lbs)
FOAMGARD AR33-200	200 litre (52.8 gallon)	Drum	209 kg (466 lbs)