



FOAMGARD 6% AQUEOUS FILM FORMING FOAM CONCENTRATE (6% AFFF)

Features

- 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 and standard Water Fog Nozzles and Inline Eductors
- Use with Fixed Foam Monitor Systems
- 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. recommended Application Rate on Hydrocarbon type Fuels is 0.10 gpm/sq.ft (4.1 lpm/m²) for hoselines and monitor applications
- U.L. Listed
- Marine Approvals (predespatched) available on request

Product Specification:

FOAMGARD 6% AFFF is a non-toxic, fluoro-chemical, totally synthetic aqueous film forming foam concentrate. It is formulated to provide a superior knockdown performance on all types of Class B hydrocarbon fires. The special surfactants in the concentrate allows a vapour sealing effect over the fuel surface so that any flammable vapour is fully suppressed with a thin foam cover. The inherent self-sealing property re-seals any disturbed surface of the burning liquid. 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 6% proportioning rate (6 parts AFFF concentrate to 94 parts water) on Class B hydrocarbon based flammable liquids such as gasoline, kerosene and diesel. FOAMGARD 6% AFFF is NOT intended for use on fuels which are polar solvent/water miscible fuels such as alcohols, ketones and esters.

FOAMGARD 6% 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 6% 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 6% 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.

As an additional assurance, FOAMGARD 6% AFFF also conforms to the fire fighting performance requirements by UK Defence Specification 42-40 Issue 1 and ICAO Document 9137-AN 898 Part 1.

Foaming Characteristics:

Most aspirating type discharge devices will typically generate expansion ratios of 6-10 to 1 when FOAMGARD 6% 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 Colourless
Specific Gravity	1.00 - 1.15
pH	6.5 - 8.5
Viscosity	3.0 - 10 cps
Spreading Coefficient	More than 3
Sludge Content (%V/V)	Less than 0.1%
Surface Tension (dyne/cm)	Less than 17

Environmental Impact:

FOAMGARD 6% AFFF is biodegradable, low in toxicity and can be treated in sewage treatment plants.

Storage Condition:

FOAMGARD 6% AFFF is supplied in plastic containers. For bulk storage, stainless steel or mild steel tanks with internal epoxy coating is recommended.

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 6% 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 AF6-20	20 litre (5.28 gallon)	Pail	21.3 kg (47 lbs)
FOAMGARD AF6-30	30 litre (7.92 gallon)	Pail	31.5 kg (70 lbs)
FOAMGARD AF6-200	200 litre (52.8 gallon)	Drum	209 kg (466 lbs)