Chemicals

PolarFilm AR-AFFF-C6

Fire Engineering
Pty Limited

Description

Uses the latest C6 fluoro-surfactant technology

In the development of Orion POLARFILM we have attempted to produce a product which is comparable in fire test performance to the best performing products in the world. Laboratory tests indicate that POLARFILM compares well with these products. POLARFILM has excellent tolerance to hard or salt water.

POLARFILM is biodegradable, has low toxicity and a small environmental footprint. POLARFILM contains no PFOS or FPOA nor does it degrade to these products.

PolarFilm AR-AFFF-C6 uses the new C6 fluorinated surfactant technology.

As with all Alcohol AFFF's, it is essential to apply the foam gently to the fuel for best results.

Recommended Usage

POLARFILM is available in two versions. PolarFilm 6/3 is a concentrate that is proportioned at a rate of 6% when used on polar solvents and 3% for hydrocarbons. PolarFilm 3/3 is a concentrate that is used at 3% for both polar solvents and hydrocarbons.

POLARFILM concentrates are specially formulated for flammable liquids that are water soluble, such as alcohol & ketones. Application rates of 4 to 7 litres per minute per square meter are recommended for most polar solvents.

POLARFILM offers superior performance for fires involving flammable liquids such as petrol, kerosene, diesel and oils. The foam solution should be applied to the fire at a minimum rate of 4 litres per minute per square meter of fuel area.

Physical Properties

	POLARFILM 6/3%	POLARFILM 3/3%
Appearance	Viscous Clear Slightly Yellow Liquid	Viscous Clear Slightly Yellow Liquid
Viscosity	Pseudoplastic, approx. 2000 cSt	Pseudoplastic, approx. 2500 cSt
pH	6.5 - 8.5	6.5 - 8.5
Density	1.04	1.03
Freezing Point	-15°C	-15°C

Friction loss charts are available on request

Packaging

POLARFILM is supplied in a range of containers.

20 Litre Pail	23 kg
200 Litre Drum	225 kg
1000 Litre Totes	

Storage

When stored in sealed containers or correctly designed storage tanks, POLARFILM will remain useable for at least 10 years.

ORION FIRE ENGINEERING PTY LIMITED
ABN 80 002 538 696
26A LYN PARADE PRESTONS NSW 2170 AUSTRALIA
Tel (61) 2 9426 7900 FAX (61) 2 8783 5400
Visit our Website www.orion-fire.com.au Email: sales@orion-fire.com.au