



Petroseal^{CG} 6

Film-Forming FluoroProtein (FFFP) Foam Concentrate

- A superior quality Film-Forming FluoroProtein Foam concentrate
- Unique formulation provides a tough, cohesive foam blanket with high resistance to heat
- Provides a vapour sealing aqueous film over hydrocarbons providing rapid control and extinguishment
- Provides stable and long lasting foam blanket - burnback resistance and post-fire security
- Highly versatile and so eliminates the need to stock a variety of foam types
- Use in high risk situations where hydrocarbons and polar solvents are processed, stored or transported
- Readily proportioned at 6% using conventional foam proportioning equipment
- Used with air aspirating discharge devices
- Suitable for use with fresh or sea water



Petroseal^{CG} 6 is a superior quality Film-Forming FluoroProtein (FFFP) fire fighting foam concentrate for extinguishing and securing flammable hydrocarbon liquid fires.

Its unique formulation is based on advanced protein foam technology. The protein base material provides a tough cohesive foam blanket with high resistance to heat that provides the same post-fire security as a top quality FluoroProtein (FP). Fluorochemical surface active agents combined with the protein base produce a vapour-sealing aqueous film that provides the same fast control and extinguishment as a top quality synthetic AFFF.

- Film-forming for fast flame knock down and extinguishment.
- Stable and long-lasting foam blanket for excellent burnback resistance and post-fire security.
- Detergent-free for high resistance to fuel pick-up.
- Foam blanket re-seals when ruptured by personnel or equipment.
- Reduced stocks, low cost storage, long shelf-life, and low usage levels combine to provide maximum cost-effectiveness.

Applications

Petroseal^{CG} 6 is the ideal fire fighting foam to use in high risk situations where hydrocarbons (such as aviation kerosene, crude oil, gasoline, and diesel fuel) are stored, processed, or transported. It is used extensively on

Rapid Intervention Vehicles at major international airports and military bases where fast extinguishment and post-fire security with limited quantities of foam concentrate are essential.

Approvals and Listings

Independently Tested and Certified to EN1568:2008 part 3.

Tested to ICAO Level B Performance.

Equipment

Petroseal^{CG} 6 is intended for use at 6% (6 parts concentrate to 93 parts water). Petroseal^{CG} 6 is readily proportioned using conventional foam proportioning equipment.

Petroseal^{CG} 6 can be used with air aspirating discharge devices such as low expansion branchpipes, monitors, top pourer sets and foam/water sprinklers where a stable foam cover is essential as well as through Mex devices.

As with any foam, Petroseal^{CG} 6 is best applied gently on to the burning liquid surface. However, the exceptional resistance to fuel contamination of FFFP enables it to direct application.

Petroseal^{CG} 6 can be used with non-aspirating discharge devices such as spray/fog branchpipes and nozzles, monitors, and spray/fog sprinklers for fast fire knockdown.

Petroseal^{C6} 6

Film-Forming FluoroProtein (FFFP) Foam Concentrate

Compatibility

Petroseal^{C6} 6 is suitable for use in combination with:

- Soft or hard, fresh, brackish or sea water.
- Dry powder extinguishing agents either separately or as twin agent systems.
- Expanded protein-based or synthetic foams for application to a fire in sequence or simultaneously.

Storage

Petroseal^{C6} 6 is exceptionally stable in long-term storage. A shelf-life of at least ten years can be expected if it is stored properly.

Environment & Disposal

As all 'C6' foams contain PFAS please refer to the product's Safety Data Sheet (SDS) and website for more information regarding the use, discharge and disposal of all firefighting foam products.

Product Quality

Petroseal^{C6} 6 is produced to rigorous quality control standards to ensure consistent fire performance and excellent product reliability. Angus Fire operates a quality management system which complies with the requirements of BS EN ISO 9001.

Typical Physico-Chemical Properties

Appearance		Dark Brown Liquid
Specific gravity @ 20°C (68°F)		1.07 - 1.11
pH @ 20°C (68°F)		6.9 - 7.9
Viscosity @ 20°C (68°F)	mm ² sec ⁻¹	3.0 - 7.0
Maximum continuous storage temperature	°C (°F)	49 (120)
Maximum intermittent storage temperature	°C (°F)	60 (140)
Freezing point	°C (°F)	-7.5 (19.4)
Effect of freeze/thaw		Product is not damaged by freezing. After thawing agitate gently.
Lowest use temperature	°C (°F)	-6.7 (20)

Typical Foam Properties

Foam generated using the U.K. Defence Standard DEF42-40 5 lpm branchpipe at 7 Bar pressure. Foam collected in a 1630 ml N.F.P.A. drainage pan.

Expansion ratio		≥ 8:1
25% drainage time	min/sec	≥ 2'00"

Typical Packing Specification

	Plastic Square	Plastic Square	Plastic Cylindrical	Plastic Cylindrical	Ecobulk MX
Capacity	25 litres	5 US gallons	200 litres	55 US gallons	1000 litres
Empty weight (kg)	1.2	0.8	9.0	9.0	70
Filled weight (kg)	29	22	230	240	1170
Dimensions (mm)	448 x 286 x 286	402 x 293 x 240	580 D x 922 H	580 D x 922 H	1200 L x 1000 W x 1160 H
Part number	FN0802G0P	FN0802T0P	FN0802J0P	FN0802W0P	FN0802L8



**EN1568:2008
Part 3**



EMERGENCY FOAM SERVICE Call +44 (0) 15242 61166 – 24 hours a day, every day

GENERAL SALES

Angus Fire Ltd
Station Road, Bentham, Lancaster, LA2 7NA, UK
Tel: +44 (0)1524 264000 • Fax: +44 (0)1524 261580

Email: general.enquiries@angusuk.co.uk • Web: www.angusfire.co.uk

Angus Fire operates a continuous programme of product development. The right is therefore reserved to modify any specification without prior notice and Angus Fire should be contacted to ensure that the current issues of all technical data sheets are used.

© Angus Fire 5158C6/5 10/21
Petroseal[®] is a registered trademark of the Angus International group.