ANGUS FIRE

INTEGRITY
ANGUS FOAMS

Petroseal®C6 3

Film-Forming Fluoroprotein (FFFP) Foam Concentrate

Integrity

Doing what's right, rather than what's convenient

Angus Fire prides itself on the open and honest way in which we conduct our business throughout the world. Our foams are an extension of our ethical beliefs and we pride ourselves in being the responsible foam manufacturer, balancing high performance with minimal environmental impact. Our C6 foams contain no PFOA and no PFOS, in accordance with US EPA Stewardship Program 2010/15 and EU Directive 2006/122/EC and amended Council Directive 76/769/EEC.

C6 Fluorosurfactants

These are the most effective agents currently available to tackle serious flammable liquid fires, providing firefighter safety and asset protection. Angus foams containing C6 surfactants utilize the very latest in firefighting foam technologies, developed and refined specifically to lower the environmental impact without reducing performance.

- Suitable for use with fresh or sea water.
- Film-forming for fast flame knockdown and extinguishment.
- Excellent fluidity provides rapid "knockdown".
- Detergent free for high resistance to fuel pick-up.
- Compatible with standard proportioning and foam making devices.
- Stable and long-lasting foam blanket for excellent burnback resistance and post-fire security.
- Underwriters Laboratories, Inc.
- Underwriters Laboratories of Canada.

Petroseal®C6 3 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 top quality fluoroprotein foam. Fluorosurfactants combined with the protein base produce a vapor-sealing aqueous film that provides the same fast control and extinguishment as a top quality synthetic AFFF.

Petroseal®C6 3 is the ideal firefighting 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 not suitable for use on polar solvents or water miscible fuels such as alcohols, ketones, esters, and ethers. Petroseal®C6 3 is an excellent agent for use in aircraft rescue and firefighting (ARFF) or other manual firefighting applications where polar solvent fuels are not encountered.

Petroseal®C6 3 is intended for use at 3%. It is readily proportioned using conventional foam proportioning equipment. Petroseal®C6 3 can be used with both air aspirating and non-aspirating devices.

Typical Physical Properties

Appearance	Brown Liquid
Specific Gravity at 77°F(25°C)	1.13
pH	7.1
Viscosity	7 cST
Min Usable Temperature	20°F(-7°C)
Max Usable Temperature	120°F(49°C

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Storage and Handling

Petroseal®C6 3 is ideally stored in its original shipping container or in tanks or other containers which have been designed for such foam storage. Recommended construction materials are carbon steel, high density cross linked polyethylene, or reinforced fiberglass polyester (isophthalic polyester resin) with a vinyl ester resin internal layer coating (50-100 mils).

Foam concentrates are subject to evaporation which accelerates when the product is exposed to air. Storage tanks should be sealed and fitted with a pressure vacuum vent to prevent free exchange of air. The recommended storage environment is within the UL listed temperature range of 20°F to 120°F (-7°C to 49°C). When product is stored in atmospheric storage tanks, contents must be covered with 1/4-inch (6.35mm) of Angus Fire Seal Oil to ensure prevention of air coming into contact with the foam concentrate. Use of Seal Oil is only recommended in stationary storage tanks. Refer to Angus Fire product data sheet AFC700 for further information.

Petroseal®C6 3 foam concentrate is freeze/thaw stable. Should the product freeze during shipment or storage, no performance loss is expected upon thawing.

It is recommended that Petroseal®C6 3 not be mixed with any other type of foam concentrate in long-term storage. Such mixing could lead to chemical changes in the product and a possible reduction in or loss of its firefighting capability. Most expanded foams are compatible for side-by-side application during an incident.

Shelf Life, Inspection, and Testing

The shelf life of any foam concentrate is maximized by proper storage conditions and maintenance. Factors affecting shelf life are wide temperature changes, extreme high or low temperatures, evaporation, dilution, and contamination by foreign materials. Properly stored Angus Fire FFFP foam concentrates have been tested and shown no significant loss of fire fighting performance, even after 10 years.

Annual testing of all fire fighting foam is recommended by the National Fire Protection Association (NFPA). Angus Fire provides a Technical Service Program to conduct such tests. Refer to Angus Fire product data sheet AFC400 for further details on Technical Service Program, or contact your Angus representative.

Environmental and Toxicological Information

Angus Fire Foam Concentrates do not contain PFOS in accordance with USEPA Stewardship Program 2010/15.

Prevent foam concentrate or foam solution from entering ground water, surface water, or storm drains. Discharge and disposal of Petroseal®C6 3 concentrate or foam solution should be made in accordance with federal, state, and local regulations.

For further details, see the Petroseal®C6 3 Safety Data Sheet AMS200.

ORDERING INFORMATION

Container	Shipping Weight	Shipping Dimensions	Part Number
5-Gallon Pails (19 liters)	50.7 lb. (23 kg)	1.13 cu. ft.^{3} (0.032 cu. m)	3133-4340-4
55-Gallon Drums (208 liters)	544.5 lb. (247 kg)	11.51 cu. ft.^{3} (0.326 cu. m)	3133-4481-4
265-Gallon IBC Reusable Tote Tank (1000 liters)	2667 lb. (1210 kg)	51.11 cu. ft.^{3} (1.1061 cu. m)	3133-4625-4

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EMERGENCY FOAM SERVICE Call +1 610-363-1400 – 24 hours a day, every day

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