



Respondol ATF 3-6%

Alcohol Resistant Synthetic
Foam Concentrate

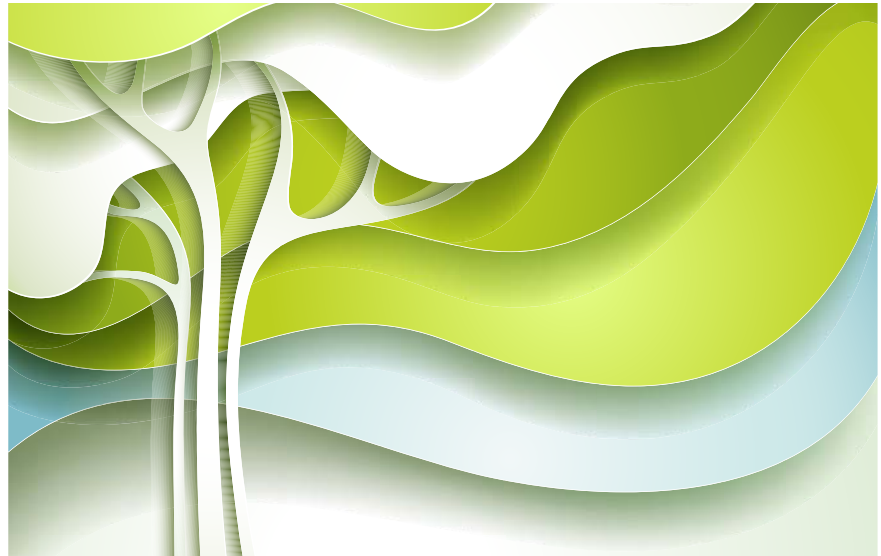
Integrity

*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 fluorine free foams contain no fluorosurfactants, fluoropolymers, organohalogens, PFCAs, PFOA and no PFOS.

Patented Foam Technology

Since Angus Fire became the first foam manufacturer to offer a commercially available fluorine free foam, our chemists have worked hard to always push the boundaries of fluorine free technology. Respondol 3-6 foam concentrate has been designed as a multi-purpose fluorine free foam for those circumstances when minimizing environmental impact is paramount. A unique patented formulation – repeatable and responsible certification.



- ✔ **Fast knock-down and extinguishment exceeding the requirements of EN1568 pt 3 & 4.**
- ✔ **Lower viscosity than some fluorine free foams to ensure easy induction.**
- ✔ **Fluorine free to minimize environmental persistence.**
- ✔ **3% induction on hydrocarbon and 6% for polar solvent risks.**

Respondol ATF 3-6 is a superior quality synthetic fluorine free (FF) foam concentrate, designed for extinguishing and securing all types of flammable liquid fires and Class A incidents. Respondol ATF 3-6 has been designed specifically for general emergency responders who are faced with a variety of risks in a range of situations.

Respondol ATF 3-6 is a patented combination of surfactants and other ingredients to produce a vapor sealing blanket of foam that rapidly spreads over the surface of the fuel to provide rapid control and extinguishment.

- Unique patented formulation only available from Angus Fire.
- Specifically designed for local authority and municipal responders.
- Approved to EN1568 part 3 and 4 on all fuels and all water types.

Applications

Respondol ATF 3-6 is used at 3% in high risk situations where hydrocarbons (such as oils, gasoline, diesel fuel, and aviation kerosene) are stored, processed, or transported. Respondol ATF 3-6 is used at 6% on polar solvents (such as alcohols, ketones, esters, and ethers).

Respondol ATF 3-6 provides a vapor suppressing foam blanket on unignited hydrocarbon spills.

Respondol ATF 3-6 can also be used as a wetting agent in combating fires in Class A materials such as wood, paper, and tires.

Typical Physical Properties

Appearance.....Pale Yellow Color
 Specific Gravity at 68°F(20°C)..... 1.02-1.04
 pH @ 68°F(20°C)7.0-8.0
 Viscosity@ 68°F(20°C).....Non-Newtonian
 Lowest Use Temperature.....23°F(-5°C)
 Max Continuous
 Storage Temperature..... 104°F(40°C)

Approvals and Listings

Respondol ATF 3-6 is independently tested and certified to EN1568:2008 part 3 and 4.

Performance exceeds the requirements of these tests. Please ask your Angus Fire representative for classifications against this standard.

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Equipment

Respondol ATF 3-6 is intended for use at 3% (3 parts concentrate to 97 parts of water) on hydrocarbons and 6% (6 parts concentrate to 94 parts of water) on polar solvents. Respondol ATF 3-6 is readily proportioned using conventional foam proportioning equipment such as portable and fixed (in-line) foam venturi proportioners, handline nozzles/branchpipes with pick-up tubes, balanced pressure variable flow proportioners, balanced pressure bladder tank proportioners, and around-the-pump proportioners.

Respondol ATF 3-6 should be used with air aspirating discharge devices. Devices include low expansion nozzles, monitors and fixed foam discharge devices.

Compatibility

Respondol ATF 3-6 is suitable for use in combination with:

- Soft or hard, fresh, brackish or sea water.
- Expanded protein-based or synthetic foams for application to a fire in sequence or simultaneously.

Environmental

Respondol ATF 3-6 is PFOS free. Respondol ATF 3-6 is 100% biodegradable and is manufactured without any added fluorinated surfactants or fluorinated polymers.

Respondol ATF 3-6 is biodegradable, however, as with any substance, care should be taken to prevent discharge from entering groundwater, surface water, or storm drains. Disposal of Respondol ATF 3-6 should be made in accordance with federal, state, and local regulations.

Storage

Respondol ATF 3-6 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 stainless steel (Type 304L or 316), 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 temperature range of 23°F to 104°F (-5°C to 40°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.

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 foam concentrates have been tested and shown no significant loss of firefighting performance, even after 10 years.

Annual testing of all firefighting 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 for further details on Technical Service program.

ORDERING INFORMATION

Container	Shipping Weight	Shipping Dimensions	Part Number
5-Gallon Pails (19 liters)	44.1 lb. (20.0 kg)	1.13 cu. ft. ³ (0.032 cu. m)	3190-4340-0
55-Gallon Drums (208 liters)	492 lb. (223.0 kg)	11.1 cu. ft. ³ (0.314 cu. m)	3190-4481-0
265-Gallon IBC Reusable Tote Tank (1000 liters)	2425.0 lb. (1100.0 kg)	48.2 cu. ft. ³ (1.365 cu. m)	3190-4625-0



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