Respondol ATF 3-6%

Fluorine Free (FF) 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 formulations contain no fluorosurfactants, fluoropolymers, organohalogens, PFAS, PFOA and no PFOS in accordance with EU Directive 2006/122/EC and mended Council Directive 76/769/EEC.

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 foam concentrate has been designed as a multi-purpose fluorine free foam for those circumstances when minimising environmental impact is paramount.

A unique patented formulation – repeatable and responsible certification.

- Highest approval rating under EN1568 pt 3 & 4 on all fuels using all waters; 1A/1A – 1A/1A – 1A/1A.
- Lower viscosity than other fluorine free foams to ensure easy induction.
- Fluorine free to minimise 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 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 vapour 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 those emergency responders under environmental pressures.
- Approved to EN1568 part 3 and 4 on all fuels and all water types.

Applications

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

Respondol ATF 3-6 provides a vapour 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 tyres.

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.

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

Respondol ATF 3-6%

Fluorine Free (FF) Foam Concentrate

pressure bladder tank proportioners, and around-the-pump proportioners.

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.

Environment

Respondol ATF 3-6 is PFOS free in accordance with EU Directive 2006/122/EC and amended Council Directive 76/769/EEC. Respondol ATF 3-6 is 100% biodegradable and is manufactured without any added fluorinated surfactants or fluorinated polymers.

Storage

Respondol ATF 3-6 is exceptionally stable in long-term storage. A shelf-life of at least ten years can be expected if it is stored correctly.

Disposal

For fire water runoff and accidental spillage please refer to Angus Fire's Foam Disposal Guide and MSDS for more information.

Product Quality

Respondol ATF 3-6 production is closely controlled, Angus Fire operates a quality management system which complies with the requirements of BS EN ISO 9001 and BS EN ISO 14001.

Typical Physico-Chemical Properties		
Appearance		Light Yellow
Specific gravity @ 20°C (68°F)		1.00 - 1.04
pH @ 20°C (68°F)		7 - 8
Viscosity @ 20°C (68°F)	cP	Non-newtonian
Maximum continuous storage temperature	°C (°F)	49 (120)
Maximum intermittent storage temperature	°C (°F)	60 (140)
Freezing point	°C (°F)	-6 (21.2)
Effect of freeze/thaw		No loss of performance
Lowest use temperature	°C (°F)	-5 (23)

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.			
Induction rate		3	6
Expansion ratio		≥ 7:1	≥ 7:1
25% drainage time	hour/min/sec	≥ 1'00'00"	≥ 3'00'00"

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)	27	20	215	223	1100
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	FN0522F0P	FN0522G0P	FN0522J0P	FN0521W0P	FN0522L8

INTEGRITY ANGUS FOAMS

EN1568:2008 Parts 3 & 4

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

INTERNATIONAL SALES
Angus Fire Ltd
Angus House, Haddenham Business Park,
Pegasus Way, Haddenham, Aylesbury, HP17 8LB, UK
Tel: +44 (0)1844 293600 • Fax: +44 (0)1844 293664

UK 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