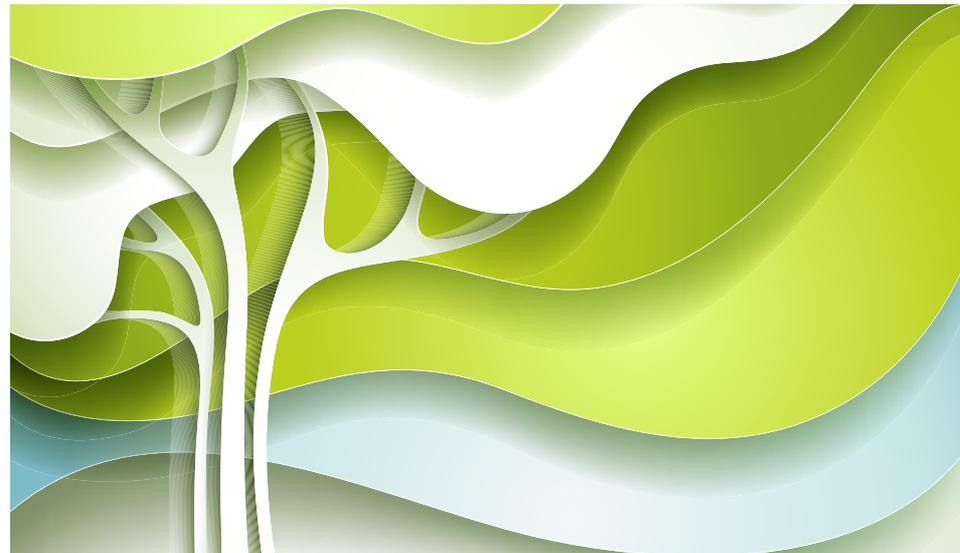




Respondol ATF 3-3%

Fluorine Free (FF)
Foam Concentrate

- A superior quality 3% synthetic Fluorine Free Foam concentrate
- Specifically for emergency responders faced with a variety of risks in a range of situations
- Designed for high risk situations where hydrocarbons and/ or polar solvents are stored, processed or transported
- UL162 listing and Lastfire
- Independently GreenScreen Certified to Silver
- Low viscosity allows for easy induction
- Provides a vapour-sealing blanket of foam that rapidly spreads over the fuel surface to provide rapid control and extinguishment
- Use at 3% on hydrocarbons and polar solvents and is readily proportioned using conventional foam proportioning equipment – portable and fixed
- Suitable for use with fresh and sea water
- 100% biodegradable



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

Respondol ATF 3-3 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 3-3 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 3-3 provides a vapour suppressing foam blanket on unignited hydrocarbon spills. Respondol ATF 3-3 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 3-3 is independently tested and certified to EN1568:2008 part 3 and 4. Performance exceeds the requirements of these tests.

Respondol ATF 3-3 is audited and approved to Underwriters Laboratories UL162 (7th Edition).

Respondol ATF 3-3 also meets the requirements of and is certified to IMO MSC.1/Circ.1312.

Respondol ATF 3-3 passed Lastfire with excellent results in fresh and sea water. 2.

Respondol ATF 3-3 is fully GreenScreen Certified to Silver

Equipment

Respondol ATF 3-3 is intended for use at 3% on hydrocarbons and polar solvents. It is readily proportioned using conventional foam proportioning equipment such as portable and fixed (in-line) foam venturi proportioners. Respondol ATF 3-3 should be used with air aspirating discharge devices such as low expansion branchpipes and other devices.

Compatibility

Respondol ATF 3-3 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.

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Environment

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

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.

GreenScreen Certified shows a complete assessment of the formulation, including impurities, has been conducted to assess impact on over 20 end-points.

Visit www.greenscreenchemicals.org for more information.

Storage

Respondol ATF 3-3 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 3-3 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)	1.7 (35)

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
Expansion ratio		≥ 7:1
25% drainage time	hour/min/sec	≥ 1'00'00"

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	FN0521GOP	FN0521TOP	FN0521JOP	FN0521WOP	FN0521L8



**EN1568:2008
Parts 3 & 4**

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

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.