



JetFoam 3%

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 foams contain no fluorosurfactants, fluoropolymers, organohalogens, PFCAs, PFOA and no PFOS in accordance with EU Directive 2006/122/EC and amended Council Directive 76/769/EEC.

Innovative Formulation

Angus Fire has developed a revolutionary foam specifically for the rigorous and challenging needs of the aviation sector - Angus Jetfoam 3. It has been designed as a fluorine free foam for those circumstances when minimising environmental persistence is paramount; to not only meet the requirements of ICAO Level B but to pass it, reliably and securely, each and every time and not only an initial certification under carefully controlled conditions.

A unique patent pending formulation for aerodrome protection – repeatable and responsible certification.



- Fast knock-down and extinguishment exceeding the requirements of ICAO level B
- True Newtonian (low viscosity) foam to ensure accurate, easy induction and airport crash vehicle compatibility
- Fluorine free to meet airport policy on minimising environmental persistence

JetFoam 3 is a superior quality synthetic fluorine free (FF) foams concentrate, designed for extinguishing and securing flammable aviation fuel spills and fires (Jet A and Jet A1).

JetFoam 3 is a patent pending combination of surfactants and other ingredients and produces a vapour sealing blanket of foam that rapidly spreads over the surface of the fuel to provide rapid control and extinguishment.

- Unique patent pending formulation only available from Angus Fire.
- The world's first truly Newtonian fluorine free foam (it behaves like water due to not containing any polymers or gelling agents).
- Specifically designed for the aviation sector's focused risks.

Applications

JetFoam 3 is used in high risk situations where hydrocarbon fuels such as Jet-A, Jet-A1 and aviation kerosene are processed, stored or transported. It is designed to be used on Aviation Rescue Fire Fighting Vehicles (ARFFV), Rapid Intervention Vehicles (RIV) and airport crash trucks where fast extinguishment is essential for saving life. JetFoam 3 provides a vapour suppressing foam blanket on Jet-A and Jet-A1 spills.

Approvals and listings

JetFoam 3 is independently tested and certified to EN1568:2008 part 3.

Performance exceeds the requirements of ICAO 2013 Level B fire performance and is certified to this performance level.

Equipment

JetFoam 3 is intended for use at 3% (3 parts concentrate to 97 parts water). JetFoam 3 is readily proportioned using conventional foam proportioning equipment.

JetFoam 3 can be used with air aspirating devices. Where a fire or shallow spill is involved with fire, Angus Fire always recommends the use of aspirated foam where a stable foam blanket is essential.

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Compatibility

JetFoam 3 is suitable for use in combination with:

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

Environment

JetFoam 3 contains no fluorosurfactants, fluoropolymers, organohalogens, PFCAs, PFOA and no PFOS in accordance with EU Directive 2006/122/EC and amended Council Directive 76/769/EEC.

JetFoam 3 is 100% biodegradable.

Storage

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

Disposal

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

Product Quality

JetFoam 3 production is closely controlled, Angus Fire operates a quality management system which complies with the requirements of BE EN ISO 9001.

Typical Physico-Chemical Properties

Appearance	Clear mobile liquid
Specific gravity @ 20°C	0.99 – 1.01
pH	8-9
Viscosity @ 20°C	2 cP
Maximum continuous storage	50°C
Maximum intermittent storage	60°C
Effect of freeze/thaw	None
Lowest use temperature	0°C
Sediment as shipped	≤ 0.1%
Sediment after ageing	≤ 0.1%

Typical Foam Properties:

Induction rate	3%
Expansion ratio	≥ 7:1
25% drainage time	≥ 3 minutes

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
Filled weight (kg)	26	20	209	218	1070
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	FN0508GOP	FN0508TOP	FN0508JOP	FN0508WOP	FN0508L8



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

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.

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