



Tridol^{C6} C 3

Synthetic Aqueous Film-Forming
Foam (AFFF) Concentrate

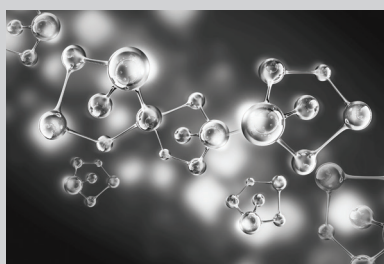
Integrity

*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 Programme 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 utilise the very latest in firefighting foam technologies, developed and refined specifically to lower the environmental impact without reducing performance.



- Film-forming for fast flame knockdown and extinguishment
- Burnback resistance and post-fire security
- Environmental

Tridol^{C6} C 3 is a cost-effective synthetic Aqueous Film-Forming Foam (AFFF) concentrate for extinguishing and securing flammable hydrocarbon liquid fires.

Tridol^{C6} C 3 is a unique combination of hydrocarbon and fluorochemical surface active agents. It produces a vapour-sealing aqueous film that spreads rapidly over the fuel surface to provide rapid control and extinguishment.

- Film-forming for fast flame knock down and extinguishment.
- Burnback resistance and post-fire security.
- Foam blanket reseals when ruptured by personnel or equipment.

Applications

Tridol^{C6} C 3 is used in high risk situations where hydrocarbons (such as crude oil, gasoline, diesel fuel, and aviation kerosene) are stored, processed, or transported. Other applications include hydrocarbon storage tanks, process areas, warehouses, road/rail loading racks, power stations, marine terminals, and offshore platforms.

Tridol^{C6} C 3 provides a vapour suppressing foam blanket on unignited hydrocarbon spills.

Tridol^{C6} C 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

Tridol^{C6} C 3 has numerous approvals and UL Listings against Underwriters Laboratories Standard UL 162 (7th Edition).

Independently Tested and Certified to EN1568:2008 Part 3.

Equipment

Tridol^{C6} C 3 is intended for use at 3% (3 parts concentrate to 97 parts water).

Tridol^{C6} C 3 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.

Tridol^{C6} C 3 can be used with air aspirating discharge devices such as low expansion branchpipes, monitors, top pourer sets, rimseal foam pourers, foam/water sprinklers.

Tridol^{C6} C 3 can be used with non-aspirating discharge devices such as spray/fog branchpipes and nozzles, monitors, and spray/fog sprinklers. However, non-aspirated application is not recommended as the primary method of attack for major fires where a stable foam cover is essential.

Tridol[®] C 3

Synthetic Aqueous Film-Forming Foam (AFFF) Concentrate

Compatibility

Tridol[®] C 3 is suitable for use in combination with:

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

Environment

Tridol[®] C 3 demonstrates low toxicity to aquatic organisms.

Storage

Tridol[®] C 3 is exceptionally stable in long-term storage. A shelf-life of at least ten years may be expected if it is stored properly.

Disposal

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

Reliability

Tridol[®] C 3 is produced to rigorous quality control standards to ensure consistent fire performance and excellent product reliability.

Angus Fire operates a quality management system which complies with the requirements of BS EN ISO 9001.

Typical Physico-Chemical Properties

Appearance		Light Yellow Liquid
Specific gravity @ 20°C (68°F)		0.99 - 1.03
pH @ 20°C (68°F)		5.9 - 6.9
Viscosity @ 20°C (68°F)	mm ² sec ⁻¹	2
Maximum continuous storage temperature	°C (°F)	49 (120)
Maximum intermittent storage temperature	°C (°F)	60 (140)
Freezing point	°C (°F)	-4 (24.8)
Effect of freeze/thaw		No loss of performance
UL Lowest use temperature	°C (°F)	1.7 (35)

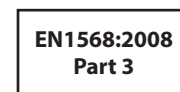
Typical Foam Properties

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.

Expansion ratio		≥8:1
25% drainage time	min/sec	≥ 2' 30"

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)	26	20	211	219	1080
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	FN0320G0P	FN0320T0P	FN0320J0P	FN0320W0P	FN0320L8



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

SALES & MARKETING

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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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GFGV.EX3139 - Foam Liquid Concentrates

Foam Liquid Concentrates

ANGUS FIRE LTD

STATION RD

HIGH BENTHAM

NR LANCASTER, LA2 7NA United Kingdom

EX3139

Tridol S and Tridol ^{C6} S3, nominal 3 percent Aqueous Film Forming Foam, +35 F minimum storage and use temperature. Hydrocarbon fuels only.

Tridol S and Tridol ^{C6} S6, nominal 6 percent Aqueous Film Forming Foam, +35 F minimum storage and use temperature. Hydrocarbon fuels only.

Petroseal, nominal 3 percent Film Forming Fluoroprotein, +20 F minimum storage and use temperature. Hydrocarbon fuels only.

Alcoseal 3-6 and Alcoseal ^{C6} 3-6, nominal 3 or 6 percent Alcohol Resistant Film Forming Fluoroprotein, +35 F minimum storage and use temperature. Hydrocarbon fuels at 3 percent. Polar solvent fuels at 6 percent.

Alcoseal 3-3 and Alcoseal ^{C6} 3-3, nominal 3 percent Alcohol Resistant Film Forming Fluoroprotein, +35 F minimum storage and use temperature. Hydrocarbon fuels at 3 percent. Polar solvent fuels at 3 percent.

Nicerol HC, nominal 3 percent Protein, +20 F minimum storage and use temperature. Hydrocarbon fuels only.

FP-70 and FP-70 ^{C6}, nominal 3 percent Fluoroprotein, +20 F minimum storage and use temperature. Hydrocarbon fuels only.

Tankmaster, nominal 3 percent Fluoroprotein, +20 F minimum storage and use temperature. Hydrocarbon fuels. Also suitable for use on Methyl tertiary butyl ether (MTBE) as indicated in the individual Listing for this foam liquid concentrate.

FP-350, nominal 3 percent Fluoroprotein, +20 F minimum storage and use temperature. Hydrocarbon fuels only.

FP-600 and FP-600 ^{C6}, nominal 6 percent Fluoroprotein, +20 F minimum storage and use temperature. Hydrocarbon fuels only.

Tridol ATF, nominal 3 or 6 percent Alcohol Resistant Aqueous Film Forming Foam, +35 F minimum storage and use temperature. Hydrocarbon fuels at 3 percent. Polar solvent fuels at 6 percent.

Tridol C, nominal 3 percent Aqueous Film Forming Foam, +35 F minimum storage and use temperature. Hydrocarbon fuels only.

Tridol^{C6} C3 3% AFFF, nominal 3 percent Aqueous Film Forming Foam, +35 F minimum storage and use temperature. Hydrocarbon fuels only.

Tridol C, nominal 6 percent Aqueous Film Forming Foam, +35 F minimum storage and use temperature. Hydrocarbon fuels only.

Tridol ^{C6} C6, nominal 6 percent Aqueous Film Forming Foam, +35 F minimum storage and use temperature. Hydrocarbon fuels only.

Petroseal, nominal 6 percent Film Forming Fluoroprotein, +20 F minimum storage and use temperature. Hydrocarbon fuels only.

Niagara 3-3, nominal 3 percent Alcohol Resistant Film Forming Fluoroprotein, 0 F minimum storage and use temperature. Hydrocarbon fuels at 1 percent and 3 percent. Polar solvent fuels at 3 percent.

Niagara 1-3, nominal 3 percent Alcohol Resistant Film Forming Fluoroprotein, 0 F minimum storage and use temperature. Hydrocarbon fuels at 1 percent and 3 percent. Polar solvent fuels at 3 percent.

Tridol ATF 3-3, nominal 3 percent Alcohol Resistant Aqueous Film Forming Foam, +35 F minimum storage and use temperature. Hydrocarbon fuels at 3 percent. Polar solvent fuels at 3 percent.

Tridol ATF 1-3, nominal 1 or 3 percent Alcohol Resistant Aqueous Film Forming Foam, +35 F minimum storage and use temperature. Hydrocarbon fuels at 1 percent. Polar solvent fuels at 3 percent.

Tridol ATF Freeze Protected, nominal 3 or 6 percent Alcohol Resistant Aqueous Film Forming Foam, +20 F minimum storage and use temperature. Hydrocarbon fuels at 3 percent. Polar solvent fuels at 6 percent.

Tridol S 1% and Tridol ^{C6} S1 1%, nominal 1 percent Aqueous Film Forming Foam, 0 F minimum storage and use temperature. Hydrocarbon fuels at 1 percent.

Syndura 6%, nominal 6 percent Synthetic Form, +35 F minimum storage and use temperature. Hydrocarbon fuels only.

Tridol ^{C6} ATF C 3/3, nominal 3 percent Alcohol Resistant Aqueous Film Forming Foam, +35 F minimum storage and use temperature. Hydrocarbon fuels at 3 percent. Polar solvent fuels at 3 percent.

Tridol ^{C6} ATF C 3/6, nominal 3 or 6 percent Alcohol Resistant Aqueous Film Forming Foam, +35 F minimum storage and use temperature. Hydrocarbon fuels at 3 percent. Polar solvent fuels at 6 percent.

Tridol S LT 3, nominal 3 percent Aqueous Film Forming Foam, +20F minimum storage and use temperature. Hydrocarbon fuels at 3 percent.

Tridol L ATF 1-3, nominal 1 or 3 percent Alcohol Resistant Aqueous Film Forming Foam, +35 F minimum storage and use temperature. Hydrocarbon fuels at 1 percent. Polar solvent fuels at 3 percent.

Petroseal ^{C6} 3%, nominal 3 percent Film Fluoroprotein Foam, +20F minimum storage and use temperature. Hydrocarbon fuels at 3 percent.

Tridol ^{C6} Ultra ATF 1-3, nominal 1 or 3 percent Alcohol Resistant Aqueous Film Forming Foam, +35 F minimum storage and use temperature. Hydrocarbon fuels at 1 percent. Polar solvent fuels at 3 percent.

Tankmaster ^{C6}, nominal 3 percent Fluoroprotein, +20 F minimum storage and use temperature. Hydrocarbon fuels only.

FP^{C6}350, nominal 3 percent Fluoroprotein, +35 F minimum storage and use temperature. Hydrocarbon fuels only.

Niagara ^{C6} 3-3, nominal 3 percent Alcohol Resistant Film Forming Fluoroprotein, 0 F minimum storage and use temperature. Hydrocarbon fuels at 3 percent. Polar solvent fuels at 3 percent.

Niagara ^{C6} 1-3, nominal 1 percent or 3 percent Alcohol Resistant Film Forming Fluoroprotein, 0 F minimum storage and use temperature. Hydrocarbon fuels at 1 percent. Polar solvent fuels at 3 percent.

Tridol ^{C6} ATF LT 3/6, nominal 3 or 6 percent Alcohol Resistant Aqueous Film Forming Foam, +20 F minimum storage and use temperature. Hydrocarbon fuels at 3 percent. Polar solvent fuels at 6 percent.

Respondol ATF 3/3, nominal 3 percent Alcohol Resistant Synthetic Foam, +35F minimum storage and use temperature. Hydrocarbon fuels at 3 percent. Polar solvent fuels at 3 percent.

FP350^{C6} 3% FP, nominal 3 percent Fluoroprotein, +20 F minimum storage and use temperature. Hydrocarbon fuels only.

Solvenseal K33, nominal 3 percent Alcohol Resistant Aqueous Film Forming Foam, +35 F minimum storage and use temperature. Hydrocarbon fuels at 3 percent. Polar solvent fuels at 3 percent.

Fluoro K Plus 3%, nominal 3 percent Fluoroprotein, +20 F minimum storage and use temperature. Hydrocarbon fuels only.

Fluoro K Plus 6%, nominal 6 percent Fluoroprotein, +20 F minimum storage and use temperature. Hydrocarbon fuels only.

Fluoroseal K 3%, nominal 3 percent Film Forming Fluoroprotein, +20 F minimum storage and use temperature. Hydrocarbon fuels only.

Fluoroseal K 6%, nominal 6 percent Film Forming Fluoroprotein, +20 F minimum storage and use temperature. Hydrocarbon fuels only.

Polifilm K 3%, 3 percent Aqueous Film Forming Foam, +20 F minimum storage and use temperature. Hydrocarbon fuels only.

Polifilm K 6%, 6 percent Aqueous Film Forming Foam, +20 F minimum storage and use temperature. Hydrocarbon fuels only.

Polifilm KS 3%, nominal 3 percent Aqueous Film Forming Foam, +35 F minimum storage and use temperature. Hydrocarbon fuels only.

Polifilm KS 6%, nominal 6 percent Aqueous Film Forming Foam, +35 F minimum storage and use temperature. Hydrocarbon fuels only.

Solvenseal KC 33 3%, nominal 3 percent Alcohol Resistant Aqueous Film Forming Foam, +35 F minimum storage and use temperature. Hydrocarbon fuels at 3 percent. Polar solvent fuels at 3 percent.

Solvenseal K 3%-6%, nominal 3 or 6 percent Alcohol Resistant Aqueous Film Forming Foam, +35 F minimum storage and use temperature. Hydrocarbon fuels at 3 percent. Polar solvent fuels at 6 percent.

Tridol ^{C6} S3 LT, nominal 3 percent Aqueous Film Forming Foam, 0 F minimum storage and use temperature. Hydrocarbon fuels only.

Tridol ^{C6} ATF 3-3 LV, nominal 3 percent Alcohol Resistant Aqueous Film Forming Foam, +35 °F minimum storage and use temperature. Hydrocarbon fuels at 3 percent. Polar solvent fuels at 3 percent.

Tridol^{C6} ATF 3/3 SP, nominal 3 percent Alcohol Resistant Aqueous Film Forming Foam, +35 F minimum storage and use temperature. Hydrocarbon fuels at 3 percent, polar solvent fuels at 3 percent.

Foam concentrates for use with the following equipment:

TRIDOL S and TRIDOL ^{C6} S3, 3 PERCENT

PROPORTIONERS - PORTABLE IN-LINE INDUCTORS

NOZZLES

Description	Size In.	Inlet Pressure psi
Angus, Model F225HU	2-1/2	110

FIXED FOAM DISCHARGE OUTLETS

Description	Orifice Diam In.	Inlet Pressure psi
Angus, Model TPS-50	0.55 (14 mm)	72-93
Angus, Model TPS-80	0.67 (17 mm)	93
National Foam, Models MCS-9, MCS-9SS Type B	0.59 (15 mm)	72-93

TRIDOL C⁶ C3 3% AFFF, 3 PERCENT

PROPORTIONERS - PORTABLE IN-LINE INDUCTIONERS

Angus, Model UNI225, 2-1/2 in. size, set at 3, 150 ft of 1-1/2 in. hose between inductor and Angus, Model F225HU nozzle.

PROPORTIONERS - FIXED IN-LINE INDUCTIONERS

Description	Size In.	Orifice Diam In.	Inlet Pressure psi	Back Pressure psi
Angus, Model Ind-50	2 (50 mm)	0.63 (16 mm)	101 130	72 93

NOZZLES

Description	Size In.	Inlet Pressure psi
Angus, Model F225HU	2-1/2	110

FIXED FOAM DISCHARGE OUTLETS

Description	Orifice Diam In.	Inlet Pressure psi
Angus, Model TPS-50	0.55 (14 mm)	72-93
Angus, Model TPS-80	0.67 (17 mm)	93
National Foam, Models MCS-9, MCS-9SS Type B	0.59 (15 mm)	72-93

TRIDOL C, 6 PERCENT

PROPORTIONERS - PORTABLE IN-LINE INDUCTIONERS

Angus, Model UNI225, 2-1/2 in. size, set at 6, 150 ft of 2-1/2 in. hose between inductor and Angus, Model F225U/Hi-Combat F225U nozzle.

NOZZLES

Description	Size In.	Inlet Pressure psi
Angus, Model F225U/Hi-Combat F225U	2-1/2	90