



## Tridol<sup>C6</sup> C 6

### Synthetic Aqueous Film-Forming Foam (AFFF) Concentrate

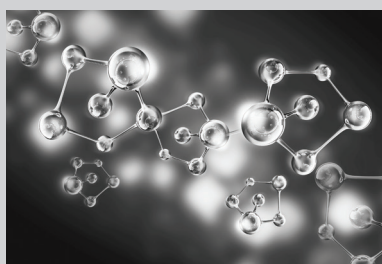
#### Integrity

*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
- Manufactured from short-chain C6 fluorotelomers.

Tridol<sup>C6</sup> C 6 is a cost-effective synthetic Aqueous Film-Forming Foam (AFFF) concentrate for extinguishing and securing flammable hydrocarbon liquid fires.

Tridol<sup>C6</sup> C 6 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 knockdown and extinguishment.
- Burnback resistance and post-fire security.
- Foam blanket reseals when ruptured by personnel or equipment.

#### Applications

Tridol<sup>C6</sup> C 6 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<sup>C6</sup> C 6 provides a vapour suppressing foam blanket on unignited hydrocarbon spills.

Tridol<sup>C6</sup> C 6 can also be used as a wetting agent in combating fires in Class A materials such as wood, paper, and tyres.

#### Performance

The fire performance of Tridol<sup>C6</sup> C 6 is measured primarily against Underwriters Laboratories Standard UL 162 (7th Edition).

#### Approvals

Tridol<sup>C6</sup> C 6 is UL Listed.

#### Equipment

Tridol<sup>C6</sup> C 6 is intended for use at 6% (6 parts concentrate to 94 parts water).

Tridol<sup>C6</sup> C 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.

Tridol<sup>C6</sup> C 6 can be used with air aspirating discharge devices such as low expansion branchpipes, monitors, top pourer sets, rimseal foam pourers, foam/water sprinklers.

Tridol<sup>C6</sup> C 6 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<sup>®</sup> C 6

## Synthetic Aqueous Film-Forming Foam (AFFF) Concentrate

### Compatibility

Tridol<sup>®</sup> C 6 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<sup>®</sup> C 6 demonstrates low toxicity to aquatic organisms.

### Storage

Tridol<sup>®</sup> C 6 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<sup>®</sup> C 6 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)		6.2 - 7.2
Viscosity @ 20°C (68°F)	mm <sup>2</sup> sec <sup>-1</sup>	2
Maximum continuous storage temperature	°C (°F)	49 (120)
Maximum intermittent storage temperature	°C (°F)	60 (140)
Freezing point	°C (°F)	-2 (28.4)
Effect of freeze/thaw		Product is not damaged by freezing. After thawing agitate gently.
UL Lowest use temperature	°C (°F)	1.7 (35)

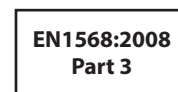
### Typical Foam Properties

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
25% drainage time	min/sec	≥ 2'30"

### 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)	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	FN0321G0P	FN0321T0P	FN0321J0P	FN0321W0P	FN0321L8



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

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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.