



## Tridol<sup>C6</sup> ATF C 3-6

Alcohol Resistant Aqueous  
Film-Forming Foam (AR-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.



- Cost-effective
- Highly versatile
- Film-forming on hydrocarbons for fast flame knockdown and extinguishment
- Burnback resistance and post-fire security

**Tridol<sup>C6</sup> ATF C 3-6 is a competitive Alcohol Resistant Aqueous Film-Forming Foam (AR-AFFF) concentrate for extinguishing and securing flammable hydrocarbon and polar solvent liquid fires.**

Tridol<sup>C6</sup> ATF C 3-6 contains a combination of hydrocarbon and fluorocarbon surface active agents. It produces a vapour-sealing aqueous film that spreads over hydrocarbon fuels to provide rapid control and extinguishment. On polar solvents an insoluble polymer membrane is formed which protects the foam blanket from the destructive effects of the solvent.

- Versatile, eliminating the need to stock a variety of foam types.
- Film-forming on hydrocarbons for fast flame knockdown and extinguishment.
- Good burnback resistance and post-fire security.
- Foam blanket re-seals when ruptured by personnel or equipment.

### Applications

Tridol<sup>C6</sup> ATF C 3-6 is used in high risk areas where hydrocarbons (such as crude oil, gasoline, diesel fuel, aviation kerosene) and/or polar solvents (such as alcohols, ketones, esters, and ethers) are stored, processed, or transported.

Typical applications include hydrocarbon storage tanks, process areas, warehouses, road/rail loading racks, power stations, marine terminals, and offshore platforms.

### Approvals and Listings

Tridol<sup>C6</sup> ATF C 3-6 has numerous approvals and UL Listings against Underwriters Laboratories Standard UL 162 (7th Edition).

### Equipment

Tridol<sup>C6</sup> ATF C 3-6 is formulated for use at 3% (3 parts concentrate to 97 parts of water) on hydrocarbons and 6% (6 parts concentrate to 94 parts water) on polar solvents.

Tridol<sup>C6</sup> ATF C 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 pressure bladder tank proportioners, and around-the-pump proportioners.

# Tridol<sup>®</sup> ATF C 3-6

## Alcohol Resistant Aqueous Film-Forming Foam (AR-AFFF) Concentrate

Tridol<sup>®</sup> ATF C 3-6 can be used with air aspirating discharge devices such as low expansion branchpipes, monitors, top pourer sets, rimseal foam pourers, foam/water sprinklers, and base (sub-surface) injection systems.

Tridol<sup>®</sup> ATF C 3-6 can be used with non-aspirating discharge devices such as spray/fog branchpipes and nozzles, monitors, and spray/fog sprinklers. Non-aspirated application is not recommended as the primary method of attack for major fires where a stable foam cover is essential.

### Compatibility

Tridol<sup>®</sup> ATF C 3-6 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> ATF C 3-6 is biodegradable and is PFOS and PFOA free, formulated only with telomer-based fluorocarbon surfactants.

### Storage

Tridol<sup>®</sup> ATF C 3-6 is stable in long-term storage. A shelf-life of ten years may be expected if it is stored in the original sealed containers according to our recommendations.

### Disposal

Tridol<sup>®</sup> ATF C 3-6 can be treated in biological waste water treatment systems.

### Reliability

Tridol<sup>®</sup> ATF C 3-6 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			Amber liquid		
Specific gravity @ 20°C (68°F)			1.02		
pH @ 20°C (68°F)			6.3 - 7.3		
Viscosity			Non-Newtonian		
Maximum continuous storage temperature	°C (°F)	49 (120)			
Effect of freeze/thaw			No performance loss		
Lowest use temperature	°C (°F)	1.7 (35)			
Sediment as shipped	% v/v	≤ 0.1			
Tridol <sup>®</sup> ATF C 3-6 is a Non-Newtonian fluid that is pseudoplastic (shear thinning)					

### 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	209	217	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



**EMERGENCY FOAM SERVICE** Call 1800 099 255 – 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.

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