



## Tridol<sup>C6</sup> Ultra 1-3

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

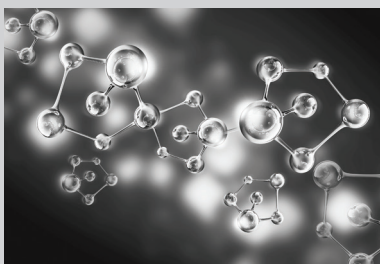
### Integrity

*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.



- Highly versatile
- Film-forming on hydrocarbons & polar solvents for fast flame knockdown and extinguishment
- Superior burnback resistance and post-fire security

**Tridol<sup>C6</sup> Ultra 1-3 is a cost-effective Alcohol Resistant Aqueous Film-Forming Foam (AR-AFFF) concentrate for extinguishing and securing flammable hydrocarbon and polar solvent liquid fires.**

Tridol<sup>C6</sup> Ultra 1-3 contains a unique combination of hydrocarbon and fluorocarbon surface active agents. It produces a vapour-sealing aqueous film that spreads rapidly over hydrocarbon surfaces to provide rapid control and extinguishment. On polar solvents an insoluble polymer membrane is formed which protects the foam blanket from the solvent.

- Highly versatile and so eliminates the need to stock a variety of foam types.
- Superior burnback resistance and post-fire security.
- Foam blanket and film re-seals when ruptured by personnel or equipment.

### Applications

Tridol<sup>C6</sup> Ultra 1-3 is used in high risk situations where hydrocarbons and/or polar solvents are stored, processed, or transported.

Typical applications include hydrocarbon storage tanks, process areas, warehouses, power stations, marine terminals and offshore platforms.

### Approvals and Listings

Tridol<sup>C6</sup> Ultra 1-3 is independently tested and certified to EN1568:2008 part 3.

Tridol<sup>C6</sup> Ultra 1-3 passed Lastfire with excellent results in fresh and sea water.

Tridol<sup>C6</sup> Ultra 1-3 is audited and approved to Underwriters Laboratories UL162 (7th Edition).

### Equipment

Tridol<sup>C6</sup> Ultra 1-3 is intended for use on hydrocarbons as 1% (1 part concentrate to 99 parts of water) low expansion foam or non-aspirated foam; and on polar solvents as 3% low expansion foam.

Tridol<sup>C6</sup> Ultra 1-3 can be used with air aspirating discharge devices and non-aspirating. Devices include low expansion branchpipes, monitors, top pourers, rimseal pourers, as well as water and foam sprinklers. Tridol<sup>C6</sup> Ultra 1-3 is also suitable for base injection or sub-surface application systems.

Non-aspirated, semi-aspirated and/or fully aspirated foam can be used in-line with a facility's integrated risk management plan.

For further information to inform a risk management plan, contact Angus Fire.

# Tridol<sup>C6</sup> Ultra 1-3

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

### Compatibility

Tridol<sup>C6</sup> Ultra 1-3 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 due to the C6 content.
- Expanded protein-based or synthetic foams for application to a fire in sequence or simultaneously.

### Environment

The C6 surfactants balance high performance and low environmental impact. Tridol<sup>C6</sup> Ultra 1-3 demonstrates low aquatic toxicity.

### Storage

Tridol<sup>C6</sup> Ultra 1-3 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 and MSDS for more information.

### Product Quality

Tridol<sup>C6</sup> Ultra 1-3 production is closely controlled and is audited by UL in accordance with their approval system.

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)		1.01 - 1.05
pH @ 20°C (68°F)		7.5 - 8.5
<b>Non-Newtonian fluid that is pseudoplastic (shear thinning)</b>		
Viscosity @ 20°C (68°F) using No.4 spindle at 60 rpm	cP	1300 - 1900
Maximum continuous storage temperature	°C (°F)	49 (120)
Maximum intermittent storage temperature	°C (°F)	60 (140)
Freezing point	°C (°F)	-8 (17.6)
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.

Induction rate		3
Expansion ratio		≥ 8:1
25% drainage time	min/sec	≥ 8'15"

#### 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	21	217	226	1110
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	FN0358GOP	FN0358TOP	FN0358JOP	FN0358WOP	FN0358L8



**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.