



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

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

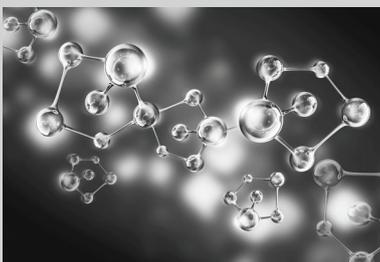
### Integrity

*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.



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

**Tridol<sup>C6</sup> ATF C 3-3 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 3-3 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
- Good burnback resistance and post-fire security.
- Foam blanket re-seals when ruptured by personnel or equipment.

#### Applications

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

#### Equipment

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

Tridol<sup>C6</sup> ATF C 3-3 is readily proportioned using 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> ATF C 3-3 can be used with air aspirating discharge devices like low expansion branchpipes, monitors, top pourers, rimseal foam pourers, foam/water sprinklers, base (sub-surface) injection systems. It can be used with non-aspirating discharge devices like 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 requires a stable foam blanket.

# Tridol<sup>®</sup> ATF C 3-3

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

### Compatibility

Tridol<sup>®</sup> ATF C 3-3 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<sup>®</sup> ATF C 3-3 is formulated only with telomer-based fluorocarbon surfactants.

### Storage

Tridol<sup>®</sup> ATF C 3-3 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

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> ATF C 3-3 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  |         | Amber Liquid           |
| Specific gravity @ 20°C (68°F)                                    |         | 1.02 - 1.06            |
| pH @ 20°C (68°F)  |         | 6.3 - 7.3              |
| <b>Non-Newtonian fluid that is pseudoplastic (shear thinning)</b> |         |                        |
| Viscosity @ 20°C (68°F) using No.4 spindle at 60 rpm              | cP      | 1400 - 2600            |
| 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.

|                   |         |         |
|-------------------|---------|---------|
| Induction rate    |         | 3       |
| Expansion ratio   |         | ≥ 8:1   |
| 25% drainage time | min/sec | ≥ 8'30" |

### 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) | 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        | FN0342G0P       | FN0342T0P       | FN0342J0P           | FN0342W0P           | FN0342L8                 |



**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.

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