



## Tridol<sup>C6</sup> S3 LT

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<sup>C6</sup> S3 LT is a superior quality synthetic Aqueous Film-Forming Foam (AFFF) concentrate for extinguishing and securing flammable hydrocarbon liquid fires.**

Tridol<sup>C6</sup> S3 LT 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<sup>C6</sup> S3 LT is used in high risk situations where hydrocarbons (such as crude oil, gasoline, diesel fuel, and aviation kerosene) are stored, processed, or transported. It is used extensively on Rapid Intervention Vehicles (RIV) at major international airports and military bases where fast extinguishment with limited quantities of foam is essential for saving life. Other applications include hydrocarbon storage tanks, process areas, warehouses, road/rail loading racks, power stations, marine terminals, and offshore platforms.

Tridol<sup>C6</sup> S3 LT provides a vapour suppressing foam blanket on unignited hydrocarbon spills.

Tridol<sup>C6</sup> S3 LT 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<sup>C6</sup> S3 LT is independently tested and certified to EN1568:2008 part 3.

Performance exceeds ICAO Level B fire performance and is certified to this performance level.

### Equipment

Tridol<sup>C6</sup> S3 LT is intended for use at 3% (3 parts concentrate to 97 parts water).

Tridol<sup>C6</sup> S3 LT 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> S3 LT 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> S3 LT 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>C6</sup> S3 LT

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

### Compatibility

Tridol<sup>C6</sup> S3 LT 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

The C6 surfactants balance high performance and low environmental impact. Tridol<sup>C6</sup> S3 LT demonstrates low aquatic toxicity.

### Storage

Tridol<sup>C6</sup> S3 LT is exceptionally stable in long-term storage. A shelf-life of at least ten years may be expected if it is stored properly. It has a low minimum use temperature for storage and use in cold climates.

### 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>C6</sup> S3 LT 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)                         |                                   | 6.6 - 7.6              |
| Viscosity @ 20°C (68°F)                  | mm <sup>2</sup> sec <sup>-1</sup> | 3.7                    |
| Maximum continuous storage temperature   | °C (°F)                           | 49 (120)               |
| Maximum intermittent storage temperature | °C (°F)                           | 60 (140)               |
| Freezing point                           | °C (°F)                           | -19 (-2.2)             |
| Effect of freeze/thaw                    |                                   | No loss of performance |
| UL Lowest use temperature                | °C (°F)                           | -17.8 (0)              |

#### 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 | ≥ 3'00" |

#### 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                 | 225                 | 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        | FN0307G0P       | FN0307T0P       | FN0307J0P           | FN0307W0P           | FN0307L8                 |



**EN1568:2008  
Part 3**



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#### SALES & MARKETING

Angus Fire Ltd  
Angus House, Haddenham Business Park,  
Pegasus Way, Haddenham, Aylesbury, HP17 8LB, UK  
Tel: +44 (0)1844 293600 • Fax: +44 (0)1844 293664

#### MANUFACTURING PLANT

Angus Fire Ltd  
Station Road, Benthams, Lancaster, LA2 7NA, UK  
Tel: +44 (0)1524 264000 • Fax: +44 (0)1524 261580

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.