



Tridol^{C6} S1 Zero

Synthetic Aqueous Film-Forming
Foam (AFFF) Concentrate

- Superior quality synthetic Aqueous Film-Forming Foam concentrate
- Provides a vapour suppressing foam blanket providing rapid control and extinguishment
- Use in high risk situations or where fast extinguishment is essential
- Use at 1% and is readily proportioned using conventional foam proportioning equipment
- Compatible with air aspirating and non-aspirating discharge devices
- Suitable for use with fresh or sea water



Tridol^{C6} S1 Zero is a superior quality synthetic Aqueous Film-Forming Foam (AFFF) concentrate for extinguishing and securing flammable hydrocarbon liquid fires.

Tridol^{C6} S1 Zero 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^{C6} S1 Zero is used in high risk situations where hydrocarbons (such as crude oil, diesel and aviation kerosene) are stored, processed, or transported. It is used extensively on Rapid Intervention Vehicles (RIV) where fast extinguishment with limited quantities of foam is essential for saving life. Other applications include hydrocarbon storage tanks, process areas, warehouses, power stations and offshore platforms.

Tridol^{C6} S1 Zero provides a vapour suppressing foam blanket on unignited hydrocarbon spills.

Approvals and Listings

Tridol^{C6} S1 Zero 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^{C6} S1 Zero is intended for use at 1% (1 part concentrate to 99 parts water). Tridol^{C6} S1 Zero is readily proportioned using conventional foam proportioning equipment.

Tridol^{C6} S1 Zero 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^{C6} S1 Zero is also suitable for base injection or sub-surface application systems.

Non-aspirated foam is suitable for shallow fuel fires and spill fires. Where a major fuel fire is involved, Angus Fire always recommends the use of aspirated foam where a stable foam blanket is essential.

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Compatibility

Tridol^{C6} S1 Zero 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.

Storage

Tridol^{C6} S1 Zero is exceptionally stable in long-term storage. A shelf-life of at least ten years can be expected if it is stored properly.

Environment & Disposal

As all 'C6' foams contain PFAS please refer to the product's Safety Data Sheet (SDS) and website for more information regarding the use, discharge and disposal of all firefighting foam products.

Product Quality

Tridol^{C6} S1 Zero 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)		1.00 - 1.04
pH @ 20°C (68°F)		6.6 - 7.6
Viscosity @ 20°C (68°F)	mm ² sec ⁻¹	5
Maximum continuous storage temperature	°C (°F)	49 (120)
Maximum intermittent storage temperature	°C (°F)	60 (140)
Freezing point	°C (°F)	-9 (15.8)
Effect of freeze/thaw		No loss of performance
Lowest use temperature	°C (°F)	-8 (17.6)

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	≥ 2'40"

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)	28.8	21.7	229.6	238.8	1173.0
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	FN0309GOP	FN0309TOP	FN0309JOP	FN0309WOP	FN0309L8



**EN1568:2008
Part 3**

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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