



Tridol^{CS} ATF C 3-6

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

- Provides a vapour sealing aqueous film over hydrocarbons providing rapid control and extinguishment
- Provides burnback resistance and post-fire security
- Use in high risk situations where hydrocarbons and polar solvents are processed, stored or transported
- UL162 listings
- Use at 3% on hydrocarbons and 6% on polar solvents
- Compatible with air aspirating and non-aspirating discharge devices
- Readily proportioned using portable and fixed foam proportioners
- Suitable for use with fresh or sea water



Tridol^{CS} 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^{CS} 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.
- Good burnback resistance and post-fire security.
- Foam blanket re-seals when ruptured by personnel or equipment.

Applications

Tridol^{CS} 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^{CS} ATF C 3-6 has numerous approvals and UL Listings against Underwriters Laboratories Standard UL 162 (7th Edition).

Equipment

Tridol^{CS} 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^{CS} ATF C 3-6 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^{CS} ATF C 3-6 can be used with air aspirating discharge devices like low expansion branchpipes, monitors, top pourer sets, rimseal foam pourers, foam/water sprinklers, base (sub-surface) injection systems. It 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 requires a stable foam blanket.

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Compatibility

Tridol[®] 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.

Storage

Tridol[®] 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.

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.

Reliability

Tridol[®] 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)		1.03 - 1.07
pH @ 20°C (68°F)		6.3 - 7.3
Non-Newtonian fluid that is pseudoplastic (shear thinning)		
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)	-2 (28.4)
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		6
Expansion ratio		≥ 8:1
25% drainage time	min/sec	≥ 15'00"

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
Part Number	FN0340G0P	FN0340T0P	FN0340J0P	FN0340W0P	FN0340L8



EMERGENCY FOAM SERVICE Call +44 (0) 15242 61166 – 24 hours a day, every day

GENERAL SALES

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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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