ANGUS FIRE

www.angusfire.co.uk

Tridol ATF 3-6

Tridol ATF 3-6 is a cost-effective Alcohol Resistant Aqueous Film-Forming Foam (AR-AFFF) fire foam concentrate for extinguishing and securing flammable hydrocarbon and polar solvent liquid fires.

Tridol ATF 3-6 is a unique combination of hydrocarbon and flurorocarbon 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.
- Film-forming on hydrocarbons for fast flame knockdown and extinguishment.
- Burnback resistance and post-fire security.
- Foam blanket re-seals when ruptured by personnel or equipment.

APPLICATIONS

Tridol ATF is used in high risk situations 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.

PERFORMANCE

The fire performance of Tridol ATF 3-6 is measured primarily against Underwriters Laboratories Standard UL 162 (7th Edition).

Approvals

Tridol ATF 3-6 is UL Listed.

Independently Tested and Certified to EN1568:2008 Parts 3 & 4.

EQUIPMENT

Tridol ATF 3-6 is intended for use at 3% (3 parts concentrate to 97 parts of water) on hydrocarbons and 6% on polar solvents.

Tridol ATF 3-6 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 ATF 3-6 can be used with air aspirating discharge devices such as low expansion branchpipes, monitors, top pourer sets, rimseal foam pourers, foam/water sprinklers, and base (sub-surface) injection systems.

Tridol ATF 3-6 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 where a stable foam cover is essential.

COMPATIBILITY

Tridol ATF 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.

UTC Fire & Security
A United Technologies Company

EN1568:2008 Parts 3&4

UL LISTED

LASTFIRE

BSI REGISTERED UKAS 003
FM 00215

PHYSICO-CHEMICAL PROPERTIES

Appearance		Amber liquid
Specific gravity @ 20°C (68°F)		1.00 - 1.02
pH @ 20°C (68°F)		6.9 - 7.9
Viscosity		Non-Newtonian
Maximum continuous storage temperature	°C (°F)	40 (104)
Maximum intermittent storage temperature	°C (°F)	60 (140)
Effect of freeze/thaw		No performance loss
Lowest use temperature	°C (°F)	1.5 (35)
Sediment as shipped	% v/v	≤ 0.1
Sediment after ageing	% v/v	≤ .05

Tridol ATF 3-6 is a non-Newtonian fluid that is both pseudoplastic (shear thinning) and thixotropic.

FOAM PROPERTIES

As with any foam, the foam properties of Tridol ATF 3-6 vary depending on the performance characteristics of foam equipment used and the operating conditions. When tested in accordance with UK Defence Standard 42-41 it gives the following properties:

Induction Rate	%	3	6
Expansion Ratio		≥ 7:1	≥ 7:1
25% Drainage Time	minutes	≥ 10	≥ 10

ENVIRONMENT

Tridol ATF 3-6 is biodegradable and virtually non-toxic to aquatic organisms.

STORAGE

Tridol ATF 3-6 is exceptionally stable in long-term storage. A shelf-life of at least ten years can be expected if it is stored properly.

DISPOSAL

Tridol ATF 3-6 can be successfully treated in biological waste water treatment systems.

RELIABILITY

Tridol ATF 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 9001:2000.

TYPICAL PACKING SPECIFICATION

	Plastic Square		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		70
Filled Weight (kg)	26	20	213	221	1090
Dimensions (mm)	448 x 286 x 286	402 x 293 x 240	580 D x 922 H		1200 L x 1000 W x 1160 H

EMERGENCY DELIVERY

For emergency supplies of Tridol ATF 3-6 phone +44 (0) 15242 61166

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THAME PARK ROAD, THAME, OXFORDSHIRE, OX9 3RT, ENGLAND
Tel: +44 (0)1844 265000 Fax: +44 (0)1844 265156
e-mail: general.enquiries@kiddeuk.co.uk

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