ANGUS FIRE
A UTC Fire & Security Company

Tridol ATF 3-3

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

Tridol ATF 3-3 contains a unique combination of hydrocarbon and fluorocarbon 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.
- Superior 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 3-3 is measured primarily against Underwriters Laboratories Standard UL 162 (7th Edition).
Tridol ATF 3-3 has been LASTFIRE tested.

Approvals
Tridol ATF 3-3 is UL Listed.
Independently Tested and Certified to EN1568:2008 Parts 3 & 4.

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

Tridol ATF 3-3 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.

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

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

Reliability
Tridol ATF 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 9001:2008.

ANGUS FIRE
A UTC Fire & Security Company

Typical Physico-Chemical Properties		
Appearance		Amber liquid
Specific gravity @ 20°C (68°F)		0.98 - 1.02
pH @ 20°C (68°F)		6.5 - 8.0
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	Trace
Sediment after ageing	% v/v	Trace
Tridol ATF 3-3 is a Non-Newtonian fluid that is both pseudoplastic (shear thinning) and thixotropic		

Typical Foam Properties:	
These vary depending on the performance characteristics of the foam. When tested in accordance with UK Defence Specification 42-41 it gives the following typical properties	
Induction rate %	3
Expansion ratio	≥ 7:1
25% drainage time	≥ 10 mins

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	9.0	70
Filled weight (kg)	26	20	209	218	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

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

Angus Fire
Thame Park Road, Thame, Oxfordshire OX9 3RT, United Kingdom
Tel: +44 (0)1844 265000
Fax: +44 (0)1844 265156
E-mail: general.enquiries@angusuk.co.uk
Web: www.angusfire.co.uk

5236/5/09.11