



Tridol C AFFF ARC 3x3

Tridol C AFFF ARC 3x3 is a competitive Alcohol Resistant Aqueous FilmForming Foam (AR-AFFF) concentrate for extinguishing and securing flammable hydrocarbon and polar solvent liquid fires.

Tridol C AFFF ARC 3x3 contains a combination of hydrocarbon and fluorocarbon surface active agents. It produces a vapoursealing 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 postfire security.
- Foam blanket re-seals when ruptured by personnel or equipment.



ANGUS FIRE

Features

- Cost-effective and highly versatile
- Film-forming on hydrocarbons for fast flame knockdown and extinguishment
- Burnback resistance and post-fire security

Applications

Tridol C AFFF ARC 3x3 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 C AFFF ARC 3x3 has numerous approvals and UL Listings against Underwriters Laboratories Standard UL 162 (7th Edition).

Equipment

Tridol C AFFF ARC 3x3 is formulated for use at 3% (3 parts concentrate to 97 parts of water) on hydrocarbons and polar solvents.

Tridol C AFFF ARC 3x3 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 C AFFF ARC 3x3 can be used with air aspirating discharge devices like low expansion branchpipes, monitors, top pourers, rimseal foam pourers, foam/water sprinklers, base (sub-surface) injection systems. It can be used with non-aspirating discharge devices like 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.

Compatibility

Tridol C AFFF ARC 3x3 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

Tridol C AFFF ARC 3x3 is formulated only with telomer-based fluorocarbon surfactants.

Storage

Tridol C AFFF ARC 3x3 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.

Disposal

For fire water runoff and accidental spillage please refer to Angus Fire's Foam Disposal Guide and MSDS for more information.

Reliability

Tridol C AFFF ARC 3x3 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) | 6.3 - 7.3 |
| Non-Newtonian fluid that is pseudoplastic (shear thinning) | |
| Viscosity @ 20°C (68°F) using No.4 spindle at 60 rpm | 1400 - 2600 cP |
| Maximum continuous storage temperature °C (°F) | 49 (120) °C (°F) |
| Maximum intermittent storage temperature | 60 (140) °C (°F) |
| Freezing point | -4 (24.8) °C (°F) |
| Effect of freeze/thaw | No loss of performance |
| UL Lowest use temperature | 1.7 (35) °C (°F) |

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 | | 3 |
| Expansion ratio | | ≥ 8:1 |
| 25% drainage time | min/sec | ≥ 8' 30" |

