



ANGUS FIRE



Tridol^{®C6} ATF 3-6 LT

Alcohol Resistant Aqueous Film-Forming Foam (AR-AFFF) Low Temperature

Integrity

Doing what's right, rather than what's convenient

Angus Fire prides itself on the open and honest way in which we conduct our business throughout the world. Our foams are an extension of our ethical beliefs and we pride ourselves in being the responsible foam manufacturer, balancing high performance with minimal environmental impact.

C6 Technology

Tridol^{®C6} ATF 3-6 LT alcohol-resistant aqueous film forming foam (AR-AFFF) is used at 3% concentration to extinguish hydrocarbon fires, and 6% for polar-solvent (water miscible) fires. The C6 Fluorosurfactants have been developed and refined specifically to lower the environmental impact without reducing performance. This new formulation demonstrates Angus Fire's commitment to superior flexibility, firefighting performance, and environmental responsibility. It is suitable for use with foam compatible dry powder extinguishing agents.



- ✔ Film forming on hydrocarbons for fast flame knockdown and extinguishment.
- ✔ Suitable for use with fresh or sea water.
- ✔ Compatible with a wide range of proportioning and foam-making devices
- ✔ Suitable for use with foam compatible dry powder extinguishing agents.
- ✔ Underwriters Laboratories, Inc.
- ✔ Underwriters Laboratories of Canada.

Tridol^{®C6} ATF 3-6LT is a cost effective alcohol resistant aqueous film-forming foam (AR-AFFF) firefighting foam concentrate for extinguishing and securing a broad range of Class B flammable liquid fires.

Tridol^{®C6} ATF 3-6 LT is a unique combination of hydrocarbon and fluorocarbon surface active agents. It produces a vapor-sealing aqueous film that spreads rapidly over hydrocarbon surfaces to provide rapid control and extinguishment. On polar solvents, an insoluble polymeric membrane is formed which protects the foam blanket from the solvent.

Tridol^{®C6} ATF 3-6 LT is the ideal firefighting foam to use in high risk situations where hydrocarbons (such as aviation kerosene, crude oil, gasoline and diesel fuel) and/or polar solvents (such as alcohols, ketones, esters, and ethers) are stored, processed, or transported.

Tridol^{®C6} ATF 3-6 LT is intended for use at 3% on hydrocarbons and at 6% on polar solvents. It is readily proportioned using conventional foam proportioning equipment such as portable and fixed foam proportioners at temperatures as low as 20°F (-7°C).

Tridol^{®C6} ATF 3-6 LT can be used with both air aspirating discharge devices such as nozzles and monitors. Tridol^{®C6} ATF 3-6 LT can be used with non-aspirating discharge devices such as spray/fog 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.

Typical Physical Properties

Appearance.....Light Yellow Viscous Liquid
 Specific Gravity at 77°F(25°C).....1.04
 pH.....7.5
 Viscosity.....Non-Newtonian
 Min Usable Temperature.....20°F(-7°C)
 Max Usable Temperature.....120°F(49°C)

Storage and Handling

Tridol^{®C6} ATF 3-6 LT is ideally stored in its original shipping container or in tanks or other containers that have been designed for such foam storage. Recommended construction materials are stainless steel (Type 304L or 316), high-density cross-linked polyethylene, or reinforced fiberglass polyester (isophthalic polyester resin) with a vinyl ester resin internal layer coating (50-100 mils).

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Foam concentrates are subject to evaporation, which accelerates when the product is exposed to air. Storage tanks should be sealed and fitted with a pressure vacuum vent to prevent free exchange of air. The recommended storage environment is within the UL-listed temperature range of 20°F to 120°F (-7°C to 49°C). When product is stored in atmospheric storage tanks, contents must be covered with 1/4-inch (6.35mm) of Angus Fire Seal Oil to ensure prevention of air coming into contact with the foam concentrate. Use of Seal Oil is only recommended in stationary storage tanks. Refer to Angus Fire product data sheet AFC700 for further information.

It is recommended that Tridol^{®C6} ATF 3-6 LT not be mixed with any other type of foam concentrate in long-term storage. Such mixing could lead to chemical changes in the product and a possible reduction in or loss of its firefighting capability. Most expanded foams are compatible for side-by-side application during an incident.

Shelf Life, Inspection, and Testing

The shelf life of any foam concentrate is maximized by proper storage conditions and maintenance. Factors affecting shelf life are wide temperature changes, extreme high or low temperatures, evaporation, dilution, and contamination by foreign materials. Properly stored Angus Fire AR-AFFF foam concentrates have been tested and shown no significant loss of firefighting performance, even after 10 years.

Annual testing of all firefighting foams is recommended by the National Fire Protection Association (NFPA). Angus Fire provides a Technical Service Program to conduct such tests. Refer to Angus Fire product data sheet AFC400 for further details on Technical Service Program, or contact your Angus Fire representative.

Environmental and Toxicological Information

Angus Fire Concentrates do not contain PFOS in accordance with USEPA Stewardship Program 2010/2015.

Prevent foam concentrate or foam solution from entering ground water, surface water, or storm drains. Discharge and disposal of Tridol^{®C6} ATF 3-6 LT concentrate or foam solution should be made in accordance with federal, state, and local regulations.

Tridol^{®C6} ATF 3-6 LT has not been tested for acute oral toxicity, primary eye, or primary skin irritation. Repeated skin contact will remove oils from the skin and cause dryness. Tridol^{®C6} ATF 3-6 LT is a primary eye irritant, and contact with the eyes should be avoided. Users are advised to wear protective equipment. If Tridol^{®C6} ATF 3-6 LT enters the eyes, flush them well with water and seek immediate medical attention. For further details, see the Tridol^{®C6} ATF 3-6 LT Safety Data Sheet AMS178.

ORDERING INFORMATION

Container	Shipping Weight	Shipping Dimensions	Part Number
5-Gallon Pails (19 liters)	45.9 lb. (21 kg)	1.13 cu. ft. ³ (0.032 cu. m)	3129-4340-4
55-Gallon Drums (208 liters)	499 lb. (226 kg)	11.1 cu. ft. ³ (0.314 cu. m)	3129-4481-4
275-Gallon IBC Reusable Tote Tank (1041 liters)	2520 lb. (1143 kg)	48.2 cu. ft. ³ (1.365 cu. m)	3129-4725-4



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