



Tridol[®]C6 S1

Synthetic Aqueous
Film-Forming Foam (AFFF)
Concentrate



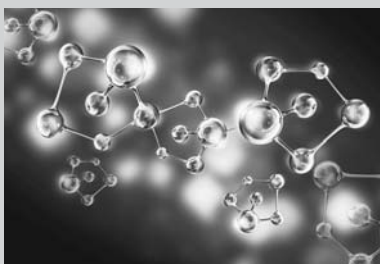
Integrity

*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. Our C6 foams contain no PFOA and no PFOS, in accordance with US EPA Stewardship Program 2010/15 and EU Directive 2006/122/EC and amended Council Directive 76/769/EEC.

C6 Technology

These are the most effective agents currently available to tackle serious flammable liquid fires, providing firefighter safety and asset protection. Angus foams containing C6 surfactants utilize the very latest in firefighting foam technologies, developed and refined specifically to lower the environmental impact without reducing performance.



- ✔ Suitable for use with fresh or sea water.
- ✔ Compatible with standard proportioning and foam making devices.
- ✔ Film-forming for fast flame knockdown and extinguishment.
- ✔ Burnback resistance and post-fire security.
- ✔ Environmentally balanced.
- ✔ Underwriters Laboratories, Inc.
- ✔ Underwriters Laboratories of Canada.

Tridol[®]C6 S1 is a superior quality synthetic Aqueous Film-Forming Foam (AFFF) concentrate for extinguishing and securing flammable hydrocarbon liquid fires.

Tridol[®]C6 S1 is a unique combination of hydrocarbon and fluorochemical surface active agents. It produces a vapor-sealing aqueous film that spreads rapidly over the fuel surface to provide rapid control and extinguishment.

- Film-forming for fast flame knock down and extinguishment.
- Burnback resistance and post-fire security.
- Foam blanket reseals when ruptured by personnel or equipment.

Applications

Tridol[®]C6 S1 is used at 1% concentration in high risk situations where hydrocarbons

(such as crude oil, diesel and aviation kerosene) are stored, processed, or transported. It is used extensively on Rapid Intervention Vehicles (RIV) where fast extinguishment with limited quantities of foam is essential for saving life. Other applications include hydrocarbon storage tanks, process areas, warehouses, power stations and offshore platforms.

Tridol[®]C6 S1 provides a vapor-suppressing foam blanket on unignited hydrocarbon spills.

Tridol[®]C6 S1 is not suitable for use on polar solvents or water miscible fuels such as alcohols, ketones, esters and ethers.

Typical Physical Properties

Appearance.....Colorless liquid
Specific Gravity at 68°F(20°C)..... 1.035
pH.....7.1
Viscosity at 68°F(20°C)6.0 cST
Min Usable Temperature.....0°F(-18°C)
Max Usable Temperature.....120°F(49°C)

Tridol[®]C6 S1 is ideally stored in its original shipping container or in tanks or other containers which 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).

Tridol^{®C6} S1

Synthetic Aqueous Film-Forming Foam (AFFF) Concentrate

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 with the UL listed temperature range of 0°F to 120°F (-18°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.

Tridol^{®C6} S1 foam concentrate is freeze/thaw stable. Should the product freeze during shipment or storage, no performance loss is expected upon thawing.

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 AFFF foam concentrates have been tested and shown no significant loss of fire fighting performance, even after 10 years.

Annual testing of all fire fighting foam 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.

Environmental and Toxicological Information

Angus Fire Concentrates do not contain PFOS in accordance with USEPA Stewardship Program 2010/15.

Prevent foam concentrate or foam solution from entering ground water, surface water, or storm drains. Discharge and disposal of Tridol^{®C6} S1 concentrate or foam solution should be made in accordance with federal, state, and local regulations.

Tridol^{®C6} S1 has not been tested for acute oral toxicity, primary skin irritation or primary eye irritation. For further details, see the Tridol^{®C6} S1 Safety Data Sheet AMS070.

ORDERING INFORMATION

| Container | Shipping Weight | Shipping Dimensions | Part Number |
|---|---------------------------|---|-------------|
| 5-Gallon Pails (19 liters) | 46 lb. (20.9 kg) | 1.13 cu. ft. ³ (0.032 cu. m) | 3131-1340-4 |
| 55-Gallon Drums (208 liters) | 499 lb. (226.3 kg) | 11.51 cu. ft. ³ (0.326 cu. m) | 3131-1481-4 |
| 275-Gallon IBC Reusable Tote Tank (1041 liters) | 2519 lb. (1142.6 kg) | 51.11 cu. ft. ³ (1.1061 cu. m) | 3131-1725-4 |
| Bulk | 8.67 lb./gal. (1.04 kg/l) | | 3131-1001-4 |



EMERGENCY FOAM SERVICE Call +1 610-363-1400 – 24 hours a day, every day