



Product Code: 2311*

TROYSOL™ AFL

Antifoam/Defoamer and Leveling Additive

Description

Troysol™ AFL is a polymeric ester blend, silicone-free surfactant supplied in liquid form to improve bubble release and reduce pigment floating of non-aqueous systems.

Application & Use

Troysol AFL is effective in solvent-based and other non-aqueous systems in which surface tension-related problems such as foaming, bubble retention, bridging, and pigment floating are encountered. Troysol AFL provides the following benefits:

- Improving bubble release in coatings applied by dip, curtain coater, flow coater, roll coater, airless spray, etc.
- Preventing foam build-up during manufacture or filling
- Preventing bubble entrapment over wood, masonry, and other porous substrates
- Preventing bridging over holes, grillwork, etc., in dip applications
- Reducing pigment floating and flooding in multi-pigmented systems

Systems which have benefited from the incorporation of Troysol AFL include:

- Roller applied alkyd, urethane, and chlorinated rubber coatings
- Moisture curing urethanes
- Nitrocellulose, acrylic, and vinyl lacquers
- Two-component epoxy and urethane systems
- Baking alkyd, polyester, and acrylic primers and topcoats
- Polyester gel coats
- Solvent gravure and silk screening inks
- High-build thixotropic coatings

Product Highlights

- High efficiency at low use levels
- Wide-spectrum applicability
- Easily incorporated with mild agitation
- Silicone-free, minimal side effects
- Eliminates film defects due to bubbling, floating, etc.

Physical Properties

The following are typical properties of Troysol AFL; they are not to be considered product specifications.

Appearance:	Clear amber liquid
Specific gravity (g/cc).....	0. 87
Color (Gardner).....	6
Viscosity, 25°C (Gardner).....	A3
Flash Point (ASTM D56-77).....	105° F (41°C)

Function/Activity

Troysol™ AFL is generally effective at levels of 0.2% to 0.6% by weight of final formulation. Optimum levels for specific formulations should be determined by laboratory evaluation.

Formulating Considerations

Troysol AFL may be added at any point during the manufacturing process, including post-addition. In general, anti-floating effectiveness is maximized by incorporation during dispersion while defoaming and flow control are improved by adding Troysol 307 later in the process. It is a common practice to include a portion of the total amount of Troysol AFL in the dispersion and retain the balance for addition during let down.

Shipping & Packaging

Troysol AFL is packaged in:

Shipping Container	Net Weight	Shipping Container	Net Weight
Pail	35 lbs. /16 kg.	Large Drum	400 lbs. /181 kg.
Small Drum	95 lbs. /45 kg.		

Product Safety & Additional Information

For handling, storage, health, and safety information and disposal procedures, as well as additional information, please refer to the Safety Data Sheet (SDS) and product label.

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