

Alcogum SL 117

HASE rheology modifier

ALCOGUM® SL 117 is an acrylate-based emulsion copolymer supplied at 30% active solids in water.

Specifications

pH	2.2 - 3.5
Solid content	29 - 31% %
Viscosity	14,000 - 25,000, 1% (Dry)(pH 9.0, NH ₄ OH, 25°C, 10 rpm) cps

Characteristics

Appearance	White emulsion at 25°C
Density	8.75 lbs/US gal at 25°C
Specific Gravity	1.05 g/cc at 25°C
Viscosity	≤200 cps

Applications

Rheology modifier for hard surface cleaners. Add the emulsion slowly to the solution with good agitation, preferably as the last ingredient prior to neutralization. Dilution of the ALCOGUM SL 117 with water can facilitate incorporation in viscous and/or alkaline formulations. Optimum viscosity build occurs at or above pH 8. For consistent performance avoid partial neutralization and poor mixing. 0.219 parts Ammonium Hydroxide (28%) to 1.0 part ALCOGUM SL 117 (as received) 0.130 part Sodium Hydroxide (50%) to 1.0 part ALCOGUM SL 117 (as received).

Storage

ALCOGUM SL 117 is available in bulk, intermediate bulk and 55-gallon drums. Storage tanks should be plastic, fiberglass, or 316 stainless. Pumps should be low-shear type, such as diaphragm or peristaltic type with all wetted parts and lines being stainless steel, plastic or Teflon®. Mild steel, copper, brass and aluminum should not be used. Filtering should be under low shear and volume flow conditions. Freezing should be avoided as it destabilizes the emulsion. The recommended storage temperature is 15-35°C (59-95°F). Dilution or pH adjustment of the product may require additional preservative to prevent biological growth. Keep containers tightly sealed to prevent emulsion from air drying and forming a film. Teflon® is a registered trademark of E.I. Dupont De Nemours & Co.

Additional information

Highly efficient viscosity build. Compatible with anionic and nonionic surfactants. Shear thinning flow characteristics. Effective in low solids systems. Associates with other formulations components. Synergistic interaction with nonionic surfactants.

Regulatory Data: ALCOGUM SL 117 is listed on TSCA confidential inventory.
Contains no alkylphenol ethoxylate components.

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