Alcogum SL 920

HASE rheology modifier

Acrylate based emulsion copolymer, hydrophobically modified, alkali soluble emulsion polymer, array of applications.

Specifications

pH	2.5-3.5
Solid content	29-31 %

Characteristics

Appearance	White emulsion at 25°C
Density	8.83 lbs/US gal at 25°C
Specific Gravity	1.06 g/cc at 25°C
Viscosity	≤ 200 cps at 25°C, 12,500 – 22,500 cPs, 1.0% (dry),(pH 9.0, NH4OH, 25°C, 10 rpm)

Notes:
Typical Data are based on our own measurements or derived from the literature. They do not constitute part of the delivery specification.

Applications

Add the emulsion slowly to the solution with good agitation, preferably as the last ingredient prior to neutralization. Dilution of the Alcogum® SL 920 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 920 (as received)0.130 parts Sodium Hydroxide (50%) to 1.0 part Alcogum® SL 920 (as received) High efficiency rheology modifier, surfactant synergy.

Storage

Alcogum® SL 920 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 5-50°C (40-120°F). Dilution or pH adjustment of the product may require additional preservative to prevent biological growth. Keep containers tightly sealed to the prevent emulsion from air drying and forming a film. Teflon is a registered trademark of E.I. Dupont De Nemours & Co.

Safety and handling

Alcogum® SL 920 is listed on the TSCA confidential inventory. Contains no alkylphenol ethoxylate components.

Additional information

Highly efficient viscosity build. Compatible with anionic and nonionic surfactants. Synergistic interaction with nonionic surfactants. Liquid for ease of handling and metering. Provides clear solutions and gels.