

Alcogum L 520

Acid rheology modifier

Alcogum L520 rheology modifier, designed to perform below pH 6, performs well in many applications.

Specifications

pH	8-9
Solid content	20-22 %

Characteristics

Appearance	White emulsion at 25°C
Density	8.5 lbs/US gal at 25°C
Specific Gravity	1.02 g/cc at 25°C
Viscosity	≤250cps at 25°C, 300-700 cPs, 1% (dry) (5% citric acid, 20°C, ,20 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 L 520 with water can facilitate incorporation in viscous and/or acid formulations. Optimum viscosity build occurs at or below pH 6. For consistent performance avoid partial neutralization and poor mixing. 0.030 parts Acetic Acid to 1.0 part ALCOGUM L 520 (as received) Rheology modifier for I&I, fabric softeners, auto-dishwashing, bowl cleaners, and light duty liquids.

Storage

ALCOGUM L 520 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.

Safety and handling

ALCOGUM L520 is listed on the TSCA confidential inventory. Contains no alkylphenol ethoxylate components.

Additional information

Shear thinning flow characteristics. Compatible with anionic, cationic and nonionic surfactants. Compatible with most acids. Associates with other formulations components. Provides clear solutions and gels.

All information concerning this product and/or suggestions for handling and use contained herein are offered in good faith and are believed to be reliable. Nouryon, however, makes no warranty as to accuracy and/or sufficiency of such information and/or suggestions, as to the product's merchantability or fitness for any particular purpose, or that any suggested use will not infringe any patent. Nouryon does not accept any liability whatsoever arising out of the use of or reliance on this information, or out of the use or the performance of the product. Nothing contained herein shall be construed as granting or extending any license under any patent. Customer must determine for himself, by preliminary tests or otherwise, the suitability of this product for his purposes. The information contained herein supersedes all previously issued information on the subject matter covered. The customer may forward, distribute, and/or photocopy this document only if unaltered and complete, including all of its headers and footers, and should refrain from any unauthorized use. Don't copy this document to a website.

ALCOGUM is a registered trademark in many countries.

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