

# 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 <sub>4</sub> 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.

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.

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The logo for Nouryon, featuring a stylized blue 'N' followed by the word 'ouryon' in a blue sans-serif font.