

Alcogum L 11R

Alkali swellable emulsion

Specifications

pH	2.2-3
Solid content	27-29 %

Characteristics

Appearance	White emulsion
Boiling point	≥ 100 °C
Density	8.75 lbs./gallon at 25°C
Freezing point	0 °C
Specific Gravity	1.05 g/cc at 25°C
Viscosity	≤200 cps at 25°C
Solubility: Solubility	Easily soluble in hot water, methanol, acetone

Notes:

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

Applications

Alcogum® L 11R is suggested for application of adhesive and textile compounding, paint formulation, detergent and cleaning compositions, construction compounding, latex coatings, pigment mining, and particulate suspension. Mastic adhesive formulations, general purpose thickener. Add the emulsion slowly to the solution with good agitation, preferably as the last ingredient prior to neutralization. Dilution of the Alcogum® L Series 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. 0.139 parts Ammonium Hydroxide (28%) to 1.0 part Alcogum® L-11R (as received) 0.089 parts Sodium Hydroxide (50%) to 1.0 part Alcogum® L-11R (as received).

Storage

Alcogum® L-11R 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 prevent emulsion from air drying and forming a film.

Safety and handling

Meets FDA requirements under Title 21, Sections 175.105 and 176.180.

Additional information

Efficient rheology modifier and thickener for high solids formulations. Liquid for ease of handling and metering. Shear thinning flow characteristics. Effective viscosity build in high solids systems. Improves flow and rheology of formulated adhesives.

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. For more information, please visit our website at www.nouryon.com.

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