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# LAURYL ALCOHOL ETHOXYLATE (7 Moles)

CAS #: 68439-50-9

## DESCRIPTION

**LAE 7 moles** is a non-ionic surfactant that belongs to the group of ethoxylated fatty alcohols. The product is part of a group of surfactants based on lauryl alcohol with C12-C14 carbon distribution. The ethoxylation process also tends to increase the water solubility of the material. Products that typically contain Lauryl Alcohol Ethoxylate include cosmetics, laundry detergents, surface cleaners and personal care products.

## TECHNICAL SPECIFICATIONS

Appearance at 25 °C	: Hazy viscous liquid
Color pt-co	: 50 Max.
Viscosity at 50 °C	: 20 ± 3 C.st
Density at 50 °C	: 0.98 ± 0.02 gr/cm <sup>3</sup>
pH (5% Solution in Water)	: 5 - 7
HLB, calculated	: 12.1 - 12.5
Cloud point (10% in 25% BDG)	: 52 - 60 °C
Average molecular weight	: 488 - 540 g/mol
Hydroxyl value	: 104 - 115 mgKOH/g
Water content	: 0.5 wt% Max.
Packing	: 220 kg drums on pallets

## APPLICATIONS

**LAE 7 moles** is a foaming agent in shampoos and bath gels, as well as a wetting agent in detergents, laundry pre-spotters, and hard surface cleaners. It is a good thickener and is used in the production of thick winter body lotions, conditioners for dry hair, mascaras, and other cosmetics.

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