

ALZO INTERNATIONAL INC.

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TECHNICAL BULLETIN

Necon LO

Chemical Name : N,N-Dimethyl-1-Dodecanamine Oleate
INCI Name : Dimethyl Lauramine Oleate
CA Index Name : 9-Octadecenoic Acid, Compd. with N,N-Dimethyl-1-Dodecanamine
CAS Number : 70321-83-4
Empirical Formula : C₁₈H₃₄O₂ C₁₄H₃₁N

TYPICAL PROPERTIES:

Appearance @ 25°C	Clear Amber Liquid
Color, Gardner	8.0
Odor	Ammoniacal
Activity, %	100
pH 5.0%*	7.0
Specific Gravity @ 25°C	0.860
Acid Value, mg KOH/gram	125
Alkali Value, mg KOH/gram	100

*70 – 30% Hydro-Alcoholic Mix

SOLUBILITY:

Soluble in alcohols, ketones, glycols, glycol ethers and in most hydrophobic solvents, such as silicones, fatty alcohols, esters, mineral and vegetable oils, aliphatic, aromatic and chlorinated hydrocarbons.

SUGGESTED APPLICATIONS:

Necon LO is a novel cosmetic ingredient with a wide array of applications in numerous skin and hair preparations in the cosmetic arena. **Necon LO** appears to possess excellent spreading characteristics on the skin and hair. The positively charged nitrogen in the molecule cationically affixes itself to skin and/or hair forming a monomolecular layer on the substrate. The long lipophilic chain appears to form a barrier which reduces loss of moisture. It tends to soften both the skin and hair and is quite difficult to remove even with repeated soap washing. Hair treated with **Necon LO** becomes extremely soft and manageable. Another characteristic of **Necon LO** that is of importance and use to the cosmetic industry is the sheen and luster it imparts to hair. Since it is cationic, it is very substantitive to skin and hair. It is especially helpful in detangling and fly-away hair, and it leaves it soft and manageable. Some of the commonly recommended applications for this product include creams, lotions, hair care products such as shampoos and hair conditioners, shaving creams, pre-electric shave lotions, liquid soaps and soap bars.

SHELF LIFE: One year minimum. (Toxicity information available upon request.)

This information is believed to be reliable, but it is not to be construed as a warranty and no patent liability can be assumed.