

ALZO INTERNATIONAL INC.

650 Jernee Mill Rd, Sayreville, NJ 08872 Tel: (732) 254-1901 - Fax: (732) 254-4423

TECHNICAL BULLETIN

Necon LO-80

Chemical Name : Bis [N-Linoleic-3(3-Amidopropyl)]-N-N-Dimethyl Dimerate
INCI Name : Linoleamidopropyl Dimethyl Amine Dimer Dilinoleate
CA Index Name : 9,12-Octadecanedienoic Acid, Dimer Compd. with
N-[3-(Dimethylamine) Propyl]-9,12-Octadecadienamide
CAS Number : 125804-10-6
Empirical Formula : $(C_{23}H_{44}N_2O)_2 - (C_{36}H_{64}O_4)$

SPECIFICATIONS:

Appearance @ 25°C	Clear Viscous Liquid
Color	Amber
Odor	Mild, Ammoniacal
Specific Gravity @ 25°C	0.940 ± 0.01
Pounds per Gallon @ 25°C	7.83
Activity, %	100
pH 5.0%*	6.0 – 8.0 *(70-30% Hydro-Alcoholic Mix)
Acid Value, mg KOH/gram	90 – 110
Alkali Value, mg KOH/gram	65 – 85

SOLUBILITY:

Soluble in alcohols, glycols, glycol ethers and in some hydrophobic solvents such as fatty alcohols, esters, aliphatic, aromatic and chlorinated hydrocarbons.

Dispersible in silicones, mineral and vegetable oils, glycerol and polyols. Insoluble in water.

SUGGESTED APPLICATIONS:

Necon LO-80 is a linolemidopropyl dimethyl amine complexed with the mild dimer acid which is derived from natural sources (safflower and soya oils). The combination of the moieties have a carbon chain length of 82, which makes it an excellent conditioner with anti-static hair softening and lubricity qualities. In addition, **Necon LO-80** assists in providing superb wet and dry combability to hair care products. Because **Necon LO-80** is cationic, it is very substantive and forms a lasting monomolecular layer on the substrate. It can be incorporated into skin and personal care products such as creams, lotions, shaving creams, liquid soap and soap bars. It is highly recommended for use in hair care products such as shampoos and hair conditioners.

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