

## TEMEST 125LT: C12-15 Alkyl Lactate

### FEATURES:

**TEMEST 125LT** is a derivative of lactic acid of which brings several of its emolliency benefits. C12-15 Alkyl Lactate is a very polar molecule that can be successfully used in all kind of cosmetics products. Creams, Lotions, Shampoo, Conditioners, Hydroalcoholic system as well as liquid soaps, achieve superior performance while using **TEMEST 125LT**.

In shampoo and shower gels it stabilizes the micellar structure, increases the viscosity, boosts the foam and reduce skin irritation. In this extent plays the role of Cocamide DEA alternative.

In hydrolalcolic systems, such as deodorants or sanitizing gels, it provides skin protection and moisturization. Recommended in creams and lotions, in particular in the formulations containing hardly soluble active ingredients, .e.g in Sunscreen and antiaging products. Excellent wetting agent for color cosmetics.

Suitable for:

- Liquid personal care & detergents
- Hydroalcoholic sanitizing gels
- Soap bars & Syndets
- Skin Care & Sunscreens

PROPERTIES	TYPICAL VALUES
INCI	C12-15 Alkyl Lactate
Appearance	Clear Liquid
Ester Content %	85 min
Colour (apha at 25°C)	50 max
Density @ 25°C	0,91 - 0,92
Refractive Index @ 25°C	1,441 - 1,446
Acid Value	1,0 max
Water	0,3 max
Free Alcohol %	15 max
Odour	Mild
Freezing Point	< -10°C

### TEMEST Z110:

#### Application:

- Deodorants
- Sanitizer gels
- Colour cosmetics
- Shampoo & Shower gels
- Sun care

#### Benefits:

- Active emollients
- Skin protection & Moisturizing
- Wetting agent
- Viscosity and foam booster
- Filter solubilizer

### DISCLAIMER:

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**PERFORMANCE & RECOMMENDATIONS**

**Temest 125LT** is a multifunctional emollient for various personal care applications. Its unique polarity plays a role of a secondary surfactant when used in rinse off formulations. Beside its thickening effect, it makes milder the rinse-off formulation and leaves an elegant and soft skin feel after wash.

In sanitizer gels it restores the skin lipidic film and prevents irritation & dryness.

On the hair improves the gloss and combing w/o buildup.

Since 2002 temix Oleo is committed to cosmetic industry in providing high quality raw material derived from renewable sources. Environment, Ethics, and Sustainability are our mission.

**Temest 125LT** makes it possible to produce mild and efficient personal care products. In Hair care shows multiple benefits either in conditioners and shampoos.

	<b>Formula A</b>	<b>Formula B</b>
<b>Ingredient</b>		
Na SLES 70%	13%	13%
Cocamidopropylbetaine 30%	12%	12%
Cocamide MEA	1,20%	1,20%
TEMEST 125LT	-	1,20%
Preservative	q.s	q.s
Water	to 100%	to 100%



**TEMEST Z110:**

**Formulation:**

- *Deodorant spray*
- *Sanitizer gels*
- *Shampoo & body wash*
- *Sunscreen Lotion*
- *Skin care*

**Dosage:**

- 1 - 3%
- 0,1 - 0,5%
- 0,5 - 2%
- 3 - 10%
- 3 - 10%

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