



Jungbunzlauer

From nature to ingredients®

Potassium Lactate and Sodium Lactate

Potassium lactate and sodium lactate are multifunctional agents commonly used in skin and hair care formulations. Both potassium lactate, as well as sodium lactate function as excellent moisturising and hydrating agents. Just like lactic acid, they occur naturally in the human body and contribute significantly to skin hydration as components of the skin's natural moisturising factor (NMF).

Presentation

Potassium lactate and sodium lactate are salts of lactic acid. In personal care formulations, they are applicable to all skin types and are primarily used because of their high water holding capacity to increase skin moisture. Thanks to their pH buffering properties, they also regulate and stabilise the pH value in personal care products. In addition, potassium and sodium lactate show antimicrobial activity ensuring product safety by functioning as natural and safe preservatives. As slightly viscous, clear liquids, they are easy to use and dose in personal care formulations.

Production

Potassium and sodium lactate are produced by neutralisation of lactic acid with a high purity potassium or sodium source, respectively. L(+)-lactic acid itself is produced by fermentation of glucose syrup which is derived from maize.

Characteristics

Potassium lactate and sodium lactate are slightly viscous, clear liquids. Both are miscible with water.

INCI name

Potassium Lactate
Sodium Lactate

INCI functions

Buffering, humectant, skin conditioning

Applications

Colour cosmetics, deodorants, fragrances, hair care, oral care, skin care, soap and bath products




Functions and typical dosage

	Minimum recommended amount	Maximum recommended amount
■ Buffering	0.05%	2.0%
■ Moisturising	1.0%	5.0%




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Formulation examples

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Articles

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