



Jungbunzlauer

From nature to ingredients®

Zinc Lactate

Zinc lactate is a multifunctional personal care ingredient. It shows anti-bacterial and anti-inflammatory effects and is therefore used in skin care applications including anti-acne products where it helps reducing and controlling microorganisms. Thanks to its skin soothing properties, it acts as an astringent in shaving products and consequently prevents skin irritations and inflammation. Lastly, zinc lactate reduces and controls plaque in oral care products.

Presentation

Zinc lactate is the zinc salt of lactic acid and is used in various personal care applications. In oral care it reduces plaque, tartar and bad breath and because of its mild taste profile it is a preferred choice compared to inorganic zinc sources.

In skin care applications it is used because of its antimicrobial and anti-inflammatory properties. As a salt of lactic acid it offers also moisturising properties.

Production

Zinc lactate is produced by complete neutralisation of lactic acid with a zinc source and subsequent crystallisation.

L(+)-lactic acid itself is produced by fermentation of glucose syrup which is derived from maize.

Characteristics

Zinc lactate is a white or almost white, granular or fine powder. It is soluble in water and practically insoluble in alcohol.

INCI name

Zinc Lactate

INCI functions

Deodorant

Applications

Deodorants, hair care, oral care, skin care




Functions and typical dosage

	Minimum recommended amount	Maximum recommended amount
■ Skin soothing	0.5%	4.0%
■ Deodorant	1.0%	3.0%
■ Anti-plaque and anti-bacterial (toothpaste)	1.0%	4.0%
■ Anti-plaque and anti-bacterial (mouthwash)	0.1%	0.4%




Related documents

Formulation examples

-  Soothing skin cream
-  Mouthwash
-  Toothpaste for gentle cleansing

Articles

-  Bio-based preservation support with Zinc Lactate and Lactic Acid