

PRODUCT DATA

Everguard™ PL

Jul2015

Trade Name: Everguard™ PL

INCI Name: Polylysine

CAS No. : 25104-18-1

Typical Properties:

Items	Specification
Appearance (25°C)	White to pale yellow powder
Content (%)	94 Min.
pH (1% Soln., 25°C)	4.0-7.0
Loss on drying (105°C, 2h)	6.0 Max.

EverGuard™ PL, polylysine, is a natural polyamino acid polymerized by 25 to 40 L-lysine. It's also known as "nutritional biological preservatives" because it biodegrades into essential amino acid L-lysine in the human body.

Features:

- Good water-solubility, easy to use;
- Broad-spectrum antimicrobial activity;
- Good thermal stability and antibacterial activities are kept when warmed at 80°C for 60 minutes and 120°C for 20-minutes;
- Wide pH application range;

Applications: Widely used in personal care and personal cleansing products, such as lotions, masks, sprays, moisturizers, essences, gels, sunscreen lotions, liquid foundations, sunblock lotions, milk cleansers, shampoos, hair conditioners, etc.

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Formulation suggestions: Directly dissolved it in water or aqueous phase then add into the system later; can be mixed with other preservatives to enhance the preservative effect.

Recommended use level: 0.01-0.5%

Storage: Store in a cool, dry, dark place with container sealed.

Re-test date: 24 months from date of manufacture.