



## Alglycera

**INCI name:** Allantoin Glycyrrhetic Acid  
**CAS n°:** 4572-09-2

**Appearance:** white yellowish powder

### Description

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Alglycera is a functional ingredient with the properties of allantoin and 18 $\beta$ -glycyrrhetic acid in a unique compound. It has anti-inflammatory, anti-allergic and skin protectant properties for use in high performance cosmetics and dermatological applications.

Alglycera is a complex that maximizes the efficacy of the single components, as the mild keratolytic effect of allantoin removes the dead cells on the surface and makes the penetration of the glycyrrhetic component easier through the skin.

Alglycera helps the regeneration process of epidermis, protects against environmental aggressors, increases healing rate and reduces inflammation with a steroid-like action. It is recommended in skin care products for dry inflamed sensitive skin and in non-steroidal topical creams.

### Properties and stability

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Alglycera is slightly soluble in propylene glycol at 50°C, not soluble in water, alcohols and oils. Stable in the pH range 3-8 and to 70°C process heating.

### Applications and use levels

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Alglycera is a skin active ingredient that on the one hand helps the normalization of stratum corneum and barrier function through a keratolytic hydrating action, on the other hand provides steroid-like antiphlogistic/antipruritic action and stimulates healing of damaged skin. It is recommended at 0.1-0.5% in skin care products and at 0.5-2% in dermatological products as nonsteroidal alternative for the treatment of a variety of inflammatory conditions.

Due to the poor solubility in most solvents, Alglycera is applied in solid form as lotion, cream, paste or powder.

- **Face care:** soothing and skin whitening effect in subjects with sensitive skin and couperose, reduces itching and redness.
- **Hand care:** for the prevention and treatment of irritant contact dermatitis, protects skin and reduce the susceptibility to irritants such as soaps, water and detergents.
- **After sun products:** for its anti-inflammatory, soothing and repairing effect on UV-induced erythema and related skin lesions.
- **Shave products:** for the soothing effect on razor burns and healing action on shaving lesions.
- **Dermatological products:** for seborrheic, atopic and irritant contact dermatitis to formulate steroid-free creams to reduce redness, relieve itching, promote healing of damaged skin and scratch lesions in infants, children and adults. May represent a alternative to corticosteroid treatments in patients with mild to moderate forms.
- **Oral products:** in toothpastes for sensitive teeth and gums diseases, such as gingivitis and periodontosis.

### Technical support

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For additional information, documentation and samples please contact us.