

**iActive CSA**


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**INCI Name (US):** Capryloyl Salicylic Acid

**INCI Name (EU):** Capryloyl Salicylic Acid

**CAS #:** 78418-01-6

**General Information/  
Characteristics:**

Capryloyl Salicylic Acid is an ester form of salicylic acid which is commonly obtained from willow trees and used as an analgesic. Salicylic acid is also used as to improve skin thickness and collagen production. This ester form is used as a skin conditioning agent that works by enhancing the appearance of damaged skin by removing dead cells, specially dryness as it reduces the flaking and restores the elasticity. Because of this, CSA is used in anti-aging, whitening, anti-acne and anti-wrinkle cosmetic formulations. Additionally, this analog is used as a preservative and has been categorized as an exfoliant, an anti-inflammatory and an antimicrobial.

**Benefits / Application:**

Skin care benefits:

- Effective whitener.
- Acts as an anti-aging and anti-acne agent.
- Reduces irritation and inflammation to skin that has been caused by both endogenous and environmental agents.

Hair care benefits:

- Controls dandruff, seborrheic dermatitis and psoriasis of the scalp.
- Reduces irritation.
- Improves the texture of hair that has been previously damaged physically or chemically.

Applications:

- Whitener/lightener agents.
- Astringents/toners.
- Anti-aging, anti-acne and anti-wrinkle agents.
- Acne creams, facial scrubs and facial cleansers.
- Moisturizers.
- Shampoos/conditioners.

**Formulations Advices:**

Usage level is 0.2-2%. Products works best at pH levels of 3-4. The heat temperature is 80 °C. It can dissolve in lipid and can't dissolve in water. Because it can mildly increase sun sensitivity, the application of SPF 30+ sunscreen is highly recommended.

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**Regulatory Status:** No specific regulations.

**Physical-Chemical Properties:**

Appearance	Crystalline powder, odorless, bitter.
Color:	White or almost white.
Melting point:	112.0-117.0 °C
Heavy metals:	≤0.002%
Content:	≥98.0%

*\*These values indicate typical specification; they are not intended to be used as product specifications*

**Additives:** None.

**Shelf Life / Storage Conditions:** 3-year validity. Store at room temperature in a cool and dry place.

**Packaging:** 1kg\*20 aluminum foil bag or 20kg plastic bag.

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