

iACTIVE ALLANTOIN

INCI Name (US): Allantoin

INCI Name (EU): Allantoin

CAS #: 97-59-6

**General Information/
Characteristics:**

iActive Allantoin has many beneficial effects as an active ingredient in over-the-counter cosmetics: a moisturizing and keratolytic effect, increasing the water content of the extracellular matrix and enhancing the desquamation of upper layers of dead skin cells thereby increasing the smoothness of the skin. It promotes cell proliferation and wound healing. **iActive Allantoin** has a soothing, anti-irritant, and skin protectant effect by forming complexes with irritant and sensitizing agents.

Benefits / Application:

Benefits

- ✓ Hydrating: Increases the water content of skin.
- ✓ Desquamating: It encourages natural exfoliation in the stratum corneum, the outer layer of the skin. Allantoin interacts with the skin's keratin to thin out an abnormal, thick stratum corneum, this is the reason that allantoin is known for leaving skin feeling smooth.
- ✓ Repairing and Healing: It is well known for its ability to stimulate cell proliferation, encouraging new tissue growth. It is known to be extremely wound healing; research has shown that it clears away necrotic tissue, making way for a healthy new tissue.
- ✓ Relieves dryness: Promotes cellular regeneration, counteracting dryness and repairing an impaired barrier, allantoin encourages sensitive skin to become more resilient.
- ✓ Protecting: This is one ingredient that really does soften the skin, it also protects chapped, sun damaged skin, studies have shown that it protects against UV induced cell damage.
- ✓ Soothing: It is considered an excellent anti-irritant, calming and soothing inflamed skin. So its great when used in baby products.
- ✓ Keratolytic action: In performing its protective and regulatory functions, the outer layer of skin our epidermis, synthesizes a very large number of proteins and oils (lipids) that are naturally found in the stratum corneum.
- ✓ Cell proliferant, an epithelization stimulant and a chemical debrider.

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iACTIVE ALLANTOIN
Applications

- Hand and body creams and lotions
- Lipsticks and lip ointments
- Shaving products
- Sun and after-sun care products
- Face and baby wipes
- Baby and foot powders
- Acne products
- Anti-perspirants and deodorants
- Diaper rash creams

Formulations Advices:

0.2% Allantoin has the same keratolytic effect as 10-20% urea. iActive Alantoin is an amphoteric compound that is anionic under basic conditions. Allantoin is compatible with most ingredients used in personal care formulations, It is Water soluble and it can be heated up to 130F.

Dosage: 0.2% - 2.0%

Regulatory Status:

Classified by FDA as an OTC Class I (safe and effective). Skin Protectant when used at 2.0%.

Physical-Chemical Properties:

Appearance	Crystalline powder
Color	White
Identification IR	Matches standard
Acidity	Qualified
Reducing substances	Qualified
Loss on drying	Max. 0.10%
Sulphated ash	Max. 0.10%
Assay	98.5 – 101.0%

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

Additives:

Preservatives: No applicable

Shelf Life / Storage Conditions

Keep in cool, dry, well ventilated area away from incompatible substances. Keep containers tightly closed.

Packaging:

25 kg/ drum

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