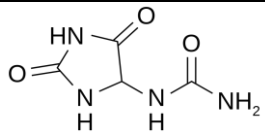


SALLITON PRODUCT INFORMATION SHEET

General information		Product Description: This compound can be found naturally in most animals and plants, and is also synthesized in laboratories when being used for commercial purposes. Allantoin helps to soften and protect while actively soothing skin. It also stimulates cell regeneration promoting healthy skin. It is a soothing, non-irritating ingredient that has the ability to help heal the skin and stimulate the growth of healthy tissue. It works as an effective skin softener.
Product Name	Sallitoin	
INCI Name	Allantoin	
CAS No.	97 – 59 – 6	
EINECS No.	202 – 592 – 8	
Molecular Formula	C ₄ H ₈ N ₂ O ₃	
Molecular Weight	158.12g/mol	
Structural Formula		
Specification		Chemical Stability and Compatibility: It is compatible with almost all cosmetic ingredients. At high pH (>8pH) causes decomposition of allantoin.
Description/ Appearance	A white or almost crystalline powder	
Solubility	Slightly soluble in Water, very slightly soluble in alcohol	
Identification A. IR	A. The sample spectrum should concordant with the reference spectrum of Allantoin working standard B. The RF value of the principal spot from Sample solution B correspond to that from standard solution	Shelf Life: If stored at ambient temperature, in the original sealed container, Sallitoin has an initial shelf life of three years.
B. TLC		
Acidity / Alkalinity	The resulting solution should be in red colour; after addition of 0.4ml of 0.01M Hydrochloric acid	
Melting Point	It melts at about 225°C, with decomposition	Recommended Use Levels: Typical dose levels of Sallitoin up to 2.0% Please note: Allantoin has been classified by the FDA as an Over-the-Counter (OTC) Category I (safe and effective) active ingredient skin protectant and is approved for use at 0.5-2% in cosmetic formulas. However, if there are no drug claims made on the label, allantoin is a "regular" cosmetic ingredient and does not need to be declared as API (Active Pharmaceutical Ingredient). For external use only.
Optical rotation	-0.10° to +0.10°	
Reducing substances	The resulting solution must remain violet for at least 10min, after addition of 1.5ml of 0.02M potassium permanganate	
Related Substances	Urea – NMT 0.5%	
Loss on drying	NMT 0.1% w/w	
Sulphate Ash/ Residue on ignition	NMT 0.1% w/w	
Assay	Between 98.50% to 101.0%	

Disclaimer: As the users' condition of work is not known, the information contained in this Material Safety Data Sheet is accurate to the best of our knowledge and is based on the national community regulations. The product must not be employed for uses other than those specified without having previously obtained written handling instructions. Users are responsible for taking all necessary to comply with the requirements of the law and local regulations. The information contained in this sheet should be regarded as the description of the safety requirements relating to our products and not as a guarantee of its properties.

Essentially Natural

Products with purpose.

The Essentially Natural Domain (Pty) Ltd | Reg. No. 2014/170069/07
Unit 14, Duville Business Park, 8 Arum Lily Street, Durbanville, Cape Town, South Africa 7550
www.essentiallynatural.co.za (T) 021 976 9116 (E) support@essentiallynatural.co.za

Heavy metals (Lead)	NMT 10ppm	
Iron	NMT 10ppm	
Arsenic	NMT 2ppm	
pH at 25°C (0.5% aqueous solution)	3.5 to 6.5	
Sulphates	NMT 0.02%	

Disclaimer: As the users' condition of work is not known, the information contained in this Material Safety Data Sheet is accurate to the best of our knowledge and is based on the national community regulations. The product must not be employed for uses other than those specified without having previously obtained written handling instructions. Users are responsible for taking all necessary to comply with the requirements of the law and local regulations. The information contained in this sheet should be regarded as the description of the safety requirements relating to our products and not as a guarantee of its properties.