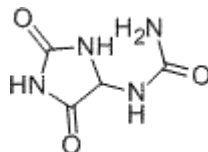


Technical Data Sheet

Basic information

Chemical name	Allantoin	Formula	C4H6N4O3
Synonyms	(2,5-dioxo-4-imidazolidinyl)urea	Chemical structure	
CAS.No.	97-59-6		
EINECS No.	202-592-8		
Molecular weight	158.12		

Physical properties

Appearance	White crystalline powder.
Melting point, °C	230 ° C
Flash point, °C	230-234 ° C
Solubility	Slightly soluble in water. Freely soluble in alkalis

Specification

Items	USP34/BP2010
Assay,%	99.0-101.0
Characteristic	White crystalline powder.
Melting Point	225° C, with decomposition
Solubility	Slightly soluble in water, Very slightly soluble in alcohol
Identification	A. Infrared spectrum comply the spectrum of allantoin CRS B. Thin-Layer Chromatographic Identification Test
Acidity or alkalinity	To conform
Optical rotation	-0.10° ~ +0.10°
Related substances,%	<0.5
Loss on drying,%	<0.1
Sulphated Ash,%	<0.05

Application

Pharmaceutical	Allantoin can be directly used in pharmaceuticals, and also can be additive to use, to cure various skin disease, accelerate the growing of skin cell, improve the healing of wound and ease pain. Usually was used to cure gastritis and duodenum ulcer disease.
Cosmetics	Allantoin can be directly or indirectly used in cosmetics and other daily chemical products, such as toothpaste, shampoo, soap etc. It has good functions of lubricating, protecting tissue, hydrophile and preventing water from dissipating.
Agriculture	Allantoin is used as plantation growth hormone, to increase production of wheat, orange, rice, vegetable and etc. It has function of fixing fruit, ripening and etc., and it is also a necessary material to make composite fertilizer, microorganism fertilizer, slow-release fertilizer or low-effect fertilizer and

fertilizer of rare earths.

Package

25kg/drum,9mt/fcl with pallet or 12mt/fcl without pallet

Safety on transportation

It belongs to common goods, always refer to MSDS.

Storage and handling

Keep tightly closed, store in a cool dry place.

Please refer to the Materials Safety Data Sheet (MSDS) for the handling methods.

The information above is believed to be accurate and represents the best information currently available to us. However, In no event shall we be liable for any claims, losses, or damages of any third party resulting from its use.

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