

# XI'AN AOGU BIOTECH CO.,LTD

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## Allantoin, USP

Safety Data Sheet according to Federal Register / Vol. 77, No. 58 /  
March 26, 2012 / Rules and Regulation

Revision Date: 07/31/2019  
Supersedes: 07/30/2015

### 1 PRODUCT & COMPANY IDENTIFICATION

<b>Product Name:</b>	Allantoin	<b>Distributor:</b>	XI'AN AOGU BIOTECH CO.,LTD
<b>Synonyms:</b>	5-ureidohydantoin, glyoxyldiureide	<b>Address:</b>	Room 606,Block B3,Jinye Times,No.32,East Section of Jinye Road, Yanta District,Xi'an Shaanxi 710065 China)
<b>INCI Name:</b>	Allantoin	<b>Phone / Fax:</b>	0086-29-89121514 0086-18091843361
<b>CAS Number:</b>	97-59-6	<b>Web:</b>	<a href="http://www.aogubio.com">www.aogubio.com</a>
<b>Formula:</b>	C <sub>4</sub> H <sub>6</sub> N <sub>4</sub> O <sub>3</sub>	<b>Emergency Telephone Number:</b>	0086-18091843361 (Chemtrec)
<b>Product Form:</b>	Powder		
<b>Product Use:</b>	Cosmetic use		

### 2 HAZARDS IDENTIFICATION

<b>GHS Signal Word:</b>	WARNING												
<b>GHS Hazard Pictograms:</b>													
<b>GHS Hazard Statements:</b>	H302: Harmful if swallowed												
<b>GHS Precautionary Statements:</b>	P301 + P312: IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.												
<b>Potential Health Hazards:</b>	Eyes: May be irritant. Inhalation: May be irritant. Skin: Not expected to be irritant. Ingestion: May be irritant.												
<b>NFPA Ratings (704):</b>	<table><tr><td>Health</td><td>2</td><td>Moderate</td></tr><tr><td>Flammability</td><td>1</td><td>Slight</td></tr><tr><td>Reactivity</td><td>0</td><td>Minimal</td></tr><tr><td>Specific Hazard</td><td>N/A</td><td></td></tr></table>	Health	2	Moderate	Flammability	1	Slight	Reactivity	0	Minimal	Specific Hazard	N/A	
Health	2	Moderate											
Flammability	1	Slight											
Reactivity	0	Minimal											
Specific Hazard	N/A												

### 3 COMPOSITION/INFORMATION ON INGREDIENTS

<u>Component</u>	<u>CAS No.</u>	<u>Weight %</u>	<u>Molecular Weight</u>
Allantoin	97-59-6	100%	158.121 g/mol

### 4 FIRST AID MEASURES

<b>Eyes:</b>	In case of eye contact, rinse with plenty of water for at least 15 minutes. Seek medical attention if necessary.
<b>Inhalation:</b>	If inhaled, remove from area to fresh air. Get medical attention if respiratory irritation develops or if breathing becomes difficult.
<b>Skin:</b>	Flush with plenty of water and wash using soap. Get medical attention if irritation occurs.
<b>Ingestion:</b>	Do Not Induce Vomiting! Never give anything by mouth to an unconscious person. Immediately drink

water to dilute. If large amounts swallowed or symptoms develop, get medical attention if necessary.

## 5 FIRE-FIGHTING MEASURES

<b>Suitable (and unsuitable) extinguishing media:</b>	May be combustible at high temperature. Use appropriate media (foam, carbon dioxide, dry chemical) for adjacent fire. Do not use water.
<b>Special protective equipment &amp; precautions for firefighters:</b>	Wear self-contained, approved breathing apparatus and full protective clothing, including eye protection and boots.
<b>Flash Points:</b>	CLOSED CUP: >230-234 °C (446-450 °F)
<b>Specific hazards arising from the chemical:</b>	May emit toxic fumes under fire conditions. See also Stability and Reactivity section.

## 6 ACCIDENTAL RELEASE MEASURES

<b>Personal precautions, protective equipment &amp; emergency procedures:</b>	Do not try to clean up the leak without proper protective equipment. See section 8 for recommendations on the use of personal protective equipment.
<b>Environmental precautions:</b>	Avoid liquid release into sewers/public water. Notify environmental authorities in case of large leaks.
<b>Methods and material for containment and cleaning up:</b>	Sweep up and place in suitable, closed containers for disposal. Clean surfaces thoroughly with water to remove residual contamination. Dispose of all waste and clean-up materials in accordance with regulations.

## 7 HANDLING & STORAGE

<b>Precautions for safe handling:</b>	See section 8 for recommendations on the use of personal protective equipment. Keep container closed when not in use.
<b>Conditions for safe storage, incl. any incompatibilities:</b>	Store in cool, dry well-ventilated area. Keep away from heat and incompatible materials (see section 10 for incompatibilities).

## 8 EXPOSURE CONTROLS / PERSONAL PROTECTION

<u>Component</u>	<u>Exposure Limits</u>	<u>Basis</u>	<u>Entity</u>
Allantoin	Not available		

TWA: Time Weighted Average over 8 hours of work.  
 TLV: Threshold Limit Value over 8 hours of work.  
 REL: Recommended Exposure Limit  
 PEL: Permissible Exposure Limit

STEL: Short Term Exposure Limit during x minutes.  
 IDLH: Immediately Dangerous to Life or Health  
 WEEL: Workplace Environmental Exposure Levels  
 CEIL: Ceiling

### Personal Protection:

<b>Eyes:</b>	Safety glasses, goggles, or face shield recommended to protect eyes from mists or splashing.
<b>Inhalation:</b>	If vapors or mists are generated, wear a NIOSH approved organic vapor/mist respirator.
<b>Body:</b>	PVC coated gloves recommended to prevent skin contact.
<b>Other:</b>	Provide eyewash stations, quick-drench showers and washing facilities accessible to areas of use and handling.

## 9 PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance, Physical State:</b>	Crystalline powder	<b>Vapor Pressure:</b>	No data available
<b>Odor:</b>	No data available	<b>Vapor Density:</b>	No data available
<b>Odor Threshold:</b>	No data available	<b>Evaporation Rate:</b>	No data available
<b>Color:</b>	White	<b>Flammability:</b>	No data available
<b>Molecular Weight:</b>	158.121 g/mol	<b>Upper/lower Explosive Limit:</b>	No data available
<b>pH (0.5% solution in water):</b>	4.0-6.0	<b>Flash Point:</b>	230-234 °C (446-450 °F)
<b>Boiling Point:</b>	No data available	<b>Specific Gravity:</b>	No data available

<b>Melting Point:</b>	230 °C (446 °F)	<b>Solubility in Water:</b>	Soluble (1g/200mL)
<b>Relative Density:</b>	No data available	<b>Auto-Ignition Temperature:</b>	None
<b>Partition Coefficient: n-octanol/water:</b>	No data available	<b>Decomposition Temperature:</b>	No data available
<b>Viscosity:</b>	No data available	<b>Explosive Properties:</b>	No data available
<b>Oxidizing Properties:</b>	No data available	<b>Freezing Point:</b>	No data available
<b>% Volatile by Volume:</b>	No data available		

## 10 STABILITY AND REACTIVITY

<b>Reactivity:</b>	No data available
<b>Chemical Stability:</b>	Stable under usual conditions.
<b>Hazardous Polymerization:</b>	Will not occur.
<b>Conditions to Avoid:</b>	Strong oxidizers.
<b>Incompatible Materials:</b>	Strong oxidizing agents.
<b>Hazardous Decomposition Products:</b>	Carbon monoxide, carbon dioxide, oxides of nitrogen, nitric acid, hydrogen cyanide.

## 11 TOXICOLOGICAL INFORMATION

<b>Acute Toxicity:</b>	LD50: No data reported
<b>Skin:</b>	Not expected to be irritant
<b>Eyes:</b>	May be irritant
<b>Respiratory:</b>	May be irritant
<b>Ingestion:</b>	May be irritant
<b>Carcinogenicity:</b>	No data available
<b>Teratogenicity:</b>	No data available
<b>Germ Cell Mutagenicity:</b>	No data available
<b>Embryotoxicity:</b>	No data available
<b>Specific Target Organ Toxicity:</b>	No data available
<b>Reproductive Toxicity:</b>	No data available
<b>Respiratory/Skin Sensitization:</b>	No data available
<b>Corrosivity:</b>	No data available
<b>Sensitization:</b>	No data available
<b>Irritation:</b>	No data available
<b>Repeated Dose Toxicity:</b>	No data available

## 12 ECOLOGICAL INFORMATION

<b>Ecotoxicity</b>	
<b>Aquatic Vertebrate:</b>	No data available
<b>Aquatic Invertebrate:</b>	No data available
<b>Terrestrial:</b>	No data available
<b>Persistence and Degradability:</b>	No data available
<b>Bioaccumulative Potential:</b>	No data available
<b>Mobility in Soil:</b>	No data available
<b>PBT and vPvB Assessment:</b>	No data available
<b>Other Adverse Effects:</b>	No data available

## 13 DISPOSAL CONSIDERATIONS

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**Waste Residues:** Users should review their operations in terms of the applicable federal/national or local regulations and consult with appropriate regulatory agencies if necessary before disposing of waste product container.

**Product Containers:** Users should review their operations in terms of the applicable federal/national or local regulations and consult with appropriate regulatory agencies if necessary before disposing of waste product container.

The information in section 13 is for the product as shipped. Use and/or alterations to the product may change the characteristics of the material and alter the waste classification and proper disposal methods

#### 14 TRANSPORT INFORMATION

**DOT (Dept. of Transportation, USA):** Refer to bill of landing or container label for DOT or other transportation hazard classification, if any

**TDG (Transportation of Dangerous Goods, Canada):** No data available

**IMDG (International Maritime Dangerous Goods):** Not regulated as a dangerous good

**IATA (International Air Transport Association):** Not regulated as a dangerous good

**ICAO (International Civil Aviation Organization):** No data available

#### 15 REGULATORY INFORMATION

**TSCA Inventory Status:** No data available

**DSCL (EEC):** No data available

**WHMIS (Canada):** No data available

**EU EINECS/ELINCS/NLP:** No data available

**China IECSC:** No data available

**China IECIC (06.30.2014):** No data available

**Australia AICS:** No data available

**New Zealand NZIoC:** No data available

#### 16 OTHER INFORMATION

**Revision Date:** 07/31/2019

**Compliance:** This document has been prepared in accordance with the SDS requirements of the OSHA Hazard Communication Standard 29 CFR 1910.1200

**Disclaimer:** This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any other process. Such information is to be the best of the company's knowledge and believed accurate and reliable as of the date indicated. However, no representation, warranty or guarantee of any kind, express or implied, is made as to its accuracy, reliability or completeness and we assume no responsibility for any loss, damage or expense, direct or consequential, arising out of use. It is the user's responsibility to satisfy himself as to the suitability & completeness of such information for his own particular use.