

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

Product Name:	Allantoin	Distributor:	MakingCosmetics Inc.
Synonyms:	5-ureidohydantoin, glyoxyldiureide	Address:	10800 231 st Way NE Redmond, WA 98053 (USA)
INCI Name:	Allantoin	Phone / Fax:	425-292-9502 / 425-292-9601
CAS Number:	97-59-6	Web:	www.makingcosmetics.com
Formula:	C ₄ H ₆ N ₄ O ₃	Emergency Telephone Number: 1-800-424-9300 (Chemtrec)	
Product Form:	Powder		
Product Use:	Cosmetic use		

2 HAZARDS IDENTIFICATION

GHS Signal Word: WARNING

GHS Hazard Pictograms: 

GHS Hazard Statements: H302: Harmful if swallowed

GHS Precautionary Statements: P301 + P312: IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.

Potential Health Hazards: Eyes: May be irritant.
Inhalation: May be irritant.
Skin: Not expected to be irritant.
Ingestion: May be irritant.

NFPA Ratings (704):

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

Eyes: In case of eye contact, rinse with plenty of water for at least 15 minutes. Seek medical attention if necessary.

Inhalation: If inhaled, remove from area to fresh air. Get medical attention if respiratory irritation develops or if breathing becomes difficult.

Skin: Flush with plenty of water and wash using soap. Get medical attention if irritation occurs.

Ingestion: 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

Suitable (and unsuitable) extinguishing media: May be combustible at high temperature. Use appropriate media (foam, carbon dioxide, dry chemical) for adjacent fire. Do not use water.

Special protective equipment & precautions for firefighters: Wear self-contained, approved breathing apparatus and full protective clothing, including eye protection and boots.

Flash Points: CLOSED CUP: >230-234°C (446-450°F)

Specific hazards arising from the chemical: May emit toxic fumes under fire conditions. See also Stability and Reactivity section.

6 ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment & emergency procedures:
Environmental precautions:

Do not try to clean up the leak without proper protective equipment. See section 8 for recommendations on the use of personal protective equipment.
 Avoid liquid release into sewers/public water. Notify environmental authorities in case of large leaks.

Methods and material for containment and cleaning up:

Sweep up and place in suitable, closed containers for disposal. Clean surfaces thoroughly with water to remove residual contamination. Dispose of all waste and cleanup materials in accordance with regulations.

7 HANDLING & STORAGE

Precautions for safe handling:

See section 8 for recommendations on the use of personal protective equipment. Keep container closed when not in use.

Conditions for safe storage, incl. any incompatibilities:

Store in cool, dry well-ventilated area. Keep away from heat and incompatible materials (see section 10 for incompatibilities).

8 EXPOSURE CONTROLS / PERSONAL PROTECTION

Component

Exposure Limits

Basis

Entity

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:

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

9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance, Physical State:	Crystalline powder	Vapor Pressure:	No data available
Odor:	No data available	Vapor Density:	No data available
Odor Threshold:	No data available	Evaporation Rate:	No data available
Color:	White	Flammability:	No data available
Molecular Weight:	158.121 g/mol	Upper/lower Explosive Limit:	No data available
pH (0.5% solution in water):	4.0-6.0	Flash Point:	230-234 °C (446-450 °F)
Boiling Point:	No data available	Specific Gravity:	No data available
Melting Point:	230 °C (446 °F)	Solubility in Water:	Soluble (1g/200mL)
Relative Density:	No data available	Auto-Ignition Temperature:	None
Partition Coefficient: n-octanol/water:	No data available	Decomposition Temperature:	No data available
Viscosity:	No data available	Explosive Properties:	No data available
Oxidizing Properties:	No data available	Freezing Point:	No data available
% Volatile by Volume:	No data available		

10 STABILITY AND REACTIVITY

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

11 TOXICOLOGICAL INFORMATION

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

12 ECOLOGICAL INFORMATION

Ecotoxicity

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

13 DISPOSAL CONSIDERATIONS

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.