

Allantoin

Safety Data Sheet

Section 1: Company and Product Information

Product Name: Allantoin
INCI Name: Allantoin
Country of Origin: United States
Product Use: Cosmetic and personal care applications.
Restrictions on Use: Repackaged for cosmetic use only.
Supplier: Windy Point Soap Making Supplies Inc.
14, 6125-12th Street SE
Calgary, AB T2H 2K1
587-318-6678 / 877-257-0030
Emergency Response: (800) 225-3924 Canada, USA, Puerto Rico

Section 2: Hazard Identification

Signal word: Not applicable
Hazard classification: This substance does not meet the criteria for a dangerous or hazardous classification.
Hazard category: Not classified
Hazard statements: Not applicable
Precautionary statements: Not applicable
Other hazards: None

Section 3: Composition / Information on Ingredients

<u>Name</u>	<u>Hazard Category</u>	<u>CAS #</u>	<u>Weight %</u>
Allantoin	Not classified	97-59-6	100

For full text of H-statements and R-phrases: see SECTION 16

Section 4: First Aid Measures

Description of first aid measures

Notable exposure symptoms: Mild irritant. Non-toxic by oral ingestion (based on nature of material). No other adverse clinical effects are known to be associated with exposure to this material. No immediate medical treatment normally needed.
Inhalation: Not applicable, avoid breathing liquid or aerosols of material.
Eye exposure: Flush with water for 10 to 15 minutes; seek medical advice if discomfort persists.
Skin exposure: Wash material off the skin with soap and water.
Ingestion: Rinse mouth immediately and drink plenty of water. If you feel unwell, seek medical advice.

Section 5: Fire Fighting Measures

General information: Combustible. Hazardous vapors may form during fires, do not breathe fumes. Product contains flammable solvents. Direct water spray may spread fire. Isolate any uncompromised product from area if possible.
Suitable extinguishing media: Carbon dioxide (CO₂), dry chemical, foam, halon, water spray (fog). Firefighters should wear self-contained breathing apparatus (SCBA) and full protective equipment. Do not use direct or heavy water stream to fight fire as it may splash burning liquid.
Hazardous decomposition information: None known.

Allantoin

Safety Data Sheet

Section 6: Accidental Release Measures

Personal precautions, protective equipment, and emergency procedures:	Avoid generation of dust. Do not breathe dust. Ensure adequate ventilation. Use chemical safety goggles for eye/face protection. Avoid contact with the skin and eyes.
Environmental precautions:	Non-hazardous, but avoid direct releases to the environment.
Containment equipment and procedures:	Non-hazardous, but avoid direct releases to the environment.
Methods and materials for containment and cleaning up:	Pick up with absorbent material and collect for disposal. Refer to Section 8 for protective equipment and Section 13 for disposal considerations.

Section 7: Handling and Storage

Precautions for safe handling:	Keep working place well ventilated. Avoid generation of dust.
Conditions for safe storage, including any incompatibilities:	Avoid temperatures above 40°C (104°F). Optimum storage temperature is 24°C (75°F) or lower. Do not freeze. Avoid exposure to sunlight for prolonged periods.
Specific end use:	Active ingredient in cosmetic and personal care applications.

Section 8: Exposure Control / Personal Protection

Exposure controls:	General mechanical ventilation is acceptable.
Control parameters:	No additional information available.
Eye protection:	Tightly sealed safety glasses according to EN 166. An eye wash facility should be available in the work area.
Respiratory protection:	With the formation of dust, use a dust mask.
Skin protection:	Protective gloves according to EN 374.
Thermal hazards:	Not required under normal conditions of use.
Other:	Observe good chemical hygiene practices, washing exposed areas of the skin several times daily. Launder contaminated clothing before re-use.
Environmental exposure controls:	Non-hazardous but avoid direct releases to the environment.

Section 9: Physical and Chemical Properties

Physical state:	Powder
Appearance:	Solid
Colour:	White
Odour:	Odourless
Odour threshold:	No data available
pH:	At 5 g/L: 4.5-6.0
Melting point:	225-238°C (decomposition)
Freezing point:	Not determined
Boiling point:	Not determined
Flash point (COC):	Approx. >100°C
Auto-ignition temperature:	Not available
Decomposition temperature:	>225°C
Evaporation rate:	Not applicable
Vapour pressure:	Not determined
Explosive limits:	Not applicable
Density:	At 20°C: 1.7 g/cm ³
Viscosity (cP):	Not determined
Explosion properties:	None

Allantoin

Safety Data Sheet

Specific gravity: Not determined
Water solubility: At 20°C: 5 g/L
Oxidizing properties: None
Partition coefficient: Not available
Other information: Molecular weight: 158.12 g/mol.
 Contents of nitrogen ca. 35.5%

Section 10: Stability and Reactivity

Reactivity conditions: Refer to Possibility of Hazardous Reactions.
Chemical stability: Product is stable under normal use conditions.

Possibility of hazardous reactions: Danger of dust explosion.
Conditions to avoid: No data available.
Incompatibility: No data available.
Hazardous decomposition products: Nitrous fumes, carbon monoxide and carbon dioxide. Thermal decomposition : >225°C.

Section 11: Toxicological Information

Acute toxicity: LD50 Rat, oral: > 5000mg/kg based on testing of similar materials
Irritation: Mild irritant after eye contact.
Corrosivity: This is not a corrosive product.
Sensitization: No data available.
Repeated dose toxicity: No data available.
Carcinogenicity: No data available.
Mutagenicity: Negative in the Ames test for bacterial mutagenicity.
Toxicity for reproduction: No data available.

Section 12: Ecological Information

Toxicity: No data available.
Aquatic toxicity: Bacterial toxicity: Eco Psuedomonas putida: > 10g/l
 Fish toxicity: LC50 Brachydanania rerio (zebra-fish): > 5000 mg/l
Persistence and degradability: Product is biodegradable. (>80% OECD Test-G. 302 B)
Bio-accumulative potential: No data available.
Mobility in soil: No data available.
Results of PBT and vPvB Assessment: No data available.
Other adverse effects: Do not allow to enter undiluted resp. in large quantities into surface water or into drains.

Section 13: Disposal Information

Product disposal: Dispose of product in accordance with local, regional, and national regulations.
Container disposal: Dispose of container in accordance with licensed collector's sorting instructions.
Other considerations: No further information.

Section 14: Transport Information

	US DOT	EU Land Transport (ADR/RID/AND)	Sea Transport (IMDG)	Air Transport (ICAO/IATA)
UN Number:	Not regulated	Not regulated	Not regulated	Not regulated
UN Proper Shipping Name:	Not regulated	Not regulated	Not regulated	Not regulated
Transport Hazard	Not applicable	Not applicable	Not applicable	Not applicable

Allantoin

Safety Data Sheet

Class(es):				
Packing Group:	Not applicable	Not applicable	Not applicable	Not applicable
Environmental Hazards:	Not applicable	Not applicable	Not applicable	Not applicable
Special Precautions for User:	None	None	None	None
Transport in bulk accordance to Annex II of MARPOL 73/78 and IBC Code:	Not applicable	Not applicable	Not applicable	Not applicable

Section 15: Regulatory Information

EU EINECS/ELINCS/NLP:

Canada DSL/NDSL:

US TSCA: Listed in the EPA TSCA Inventory

Korea KECI:

China IECSC:

Japan ENCS:

Philippine PICCS:

Australia AICS:

Chemical Safety Assessment: No Chemical Safety Assessment has been carried out for this mixture by the supplier.

Section 16: Other Information

List of Relevant R-phrases (number and full text): Not applicable.

HMIS Rating: 1-1-0

NPFA Rating: 1-1-0

Disclaimer & Caution

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