



# Safety Data Sheet Allantoin USP

Complies with 29 CFR 1910.1200

## Section 1: Company and Product Identification

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**Product Name:** Allantoin USP

**INCI Name:** Allantoin

**Material Uses:** Active ingredient in cosmetic and personal care applications.

**Restrictions on Use:** Repackaged for cosmetic use only

**Company:** Lotioncrafter LLC  
48 Hope Ln  
Eastsound, WA 98245  
PH: 1-360-376-8008

**Emergency Response:** In USA, Canada and North America, 24 hour / 7 day emergency information for our product is provided by the CHEMTREC Emergency Call Center based in the USA.

USA, Canada, Puerto Rico, Virgin Islands                      CALL +1 800-424-9300  
In case of difficulties or for ships at sea                      CALL +1 703-527-3887  
In Europe, Middle East, Africa, Asia Pacific, South America      CALL +1 703-527-3887

## Section 2: Hazards Identification

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**Hazard Pictograms:**

**Signal Word:** Not Applicable

**Hazard Classification:** This substance does not meet the criteria for a dangerous or hazardous

**Hazard Category:** Non-classified

**Hazard Statements:** Not Applicable

**Precautionary Statements:** Not Applicable

**Other Hazards:** None

## Section 3: Composition / Information on Ingredients

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Name	Hazard Category	CAS#	Weight %
Allantoin	Not classified	97-59-6	99.0%

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



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### Section 4: First Aid Measures

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**Notable Exposure symptoms:** Not expected to be a skin or eye irritant (based on available data). 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.

**If ingested:** Drink water, seek medical attention.

**If inhaled:** Not applicable, avoid breathing liquid or aerosols of material.

**Eye contact:** Flush with water; seek medical advice if discomfort persists.

**Skin contact:** Wash material off with soap and water

#### Indication of Any Immediate Medical Attention and Special

**Treatment:** No immediate medical treatment normally needed.

### Section 5: Fire Fighting Measures

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**General Info:** Flash Point: Not available. Flammability: Non flammable.

#### Extinguishing Method /

**Equipment:** Carbon dioxide, foam, dry chemical powder, water spray. Wear suitable protective equipment and self-contained breathing apparatus with a full face-piece operated in positive pressure mode (EN 137). Do not discharge contaminated extinguish water into the soil, surface water, groundwater or sewer system.

**Hazardous Decomposition Info:** Formation of carbon monoxide (CO), carbon dioxide (CO<sub>2</sub>), nitrogen oxides, and formaldehyde in the event of fire or during thermal decomposition.

### Section 6: Accidental Release Measures

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#### Personal precautions, protective

**equipment and procedures:** Use suitable protective equipment as recommended in Section 8. Ensure adequate ventilation. Remove all sources of ignition.

**Environmental Precautions:** Prevent contamination of soil, surface water, and groundwater or sewer system.

#### Containment and Cleanup

**Procedures:** Examine possibilities for re-utilization of product. Collect spillage preferably by vacuum or wet sweeping and carefully transfer to a suitable container for recovery or disposal. Wash contaminated surfaces by water.



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### Section 7: Handling and Storage

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**Safe Handling Precautions:** Handle in accordance with good industrial hygiene and safety practices. Wear personal protective equipment as recommended in Section 8. Ensure adequate ventilation. Do not breathe dusts.

**Recommendations for Storage:** Fine dust dispersed in air in sufficient concentrations and in the presence of an ignition source is a potential dust explosion hazard. Keep away from sources of ignition. Take precautions against accumulation of electrostatic charge. Do not smoke. Hygroscopic product. Keep sealed in the original container in a cool, dry place.

**Specific End Use(s):** Active ingredient in cosmetic and personal care applications.

### Section 8: Exposure Control / Personal Protection

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**Control Parameters:** No occupational exposure limits available.

#### General / Engineering

**Controls:** General mechanical ventilation is acceptable.

**Eye/face protection:** Not required.

**Hand Protection:** Not required.

**Body Protection:** Wear protective work clothing.

**Respiratory Protection:** Use a mask for solid particles (EN 149, Type FFFP1, FFP2) when performing operations involving exposure to dusts.

**Thermal Hazards:** None required under normal conditions of use.

**Other:** An eye wash facility should be available in the work area. Employees must practice good personal hygiene, washing exposed areas of the skin several times daily. Launder contaminated clothing before reuse.

#### Environmental Exposure

**Controls:** Emissions from production processes and ventilation units should be controlled in compliance with environmental legislations.



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### Section 9: Physical and Chemical Properties

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**Appearance:** Fine Powder

**Color:** White

**Odor:** Odorless

**Odor Threshold:** No data available

**pH:** ~4.0

**Melting / Freezing Point:** ~230 °C

**Boiling Point:** Not applicable

**Flash Point (COC):** Not available

**Self-ignition Temperature:** > 420 °C

**Decomposition Temperature:** Not available

**Evaporation Rate:** Not applicable

**Vapor Pressure:**  $4.32 \times 10^{-9}$

**Explosive Limits:** Not applicable

**Specific Gravity:** Not determined

**Water Solubility:** Slightly soluble

**Viscosity (cP):** Not determined

**Explosion Properties:** None

**Oxidizing Properties:** None

**n-Octanol/Water:**  $\text{Log } K_{ow} = -3.14$

**Other information:** None

### Section 10: Stability and Reactivity

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**Reactivity:** Not reactive under normal conditions of use.

**Chemical Stability:** Stable if handled and stored as recommended in Section 7.

#### Possibility of Hazardous

**Reactions:** None known

**Conditions to Avoid:** None known

**Incompatible Materials:** Avoid strong acids and bases.

#### Hazardous Decomposition

**Products:** See Section 5.



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### Section 11: Toxicological Information

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**Acute Oral Toxicity:** Rat - LD<sub>50</sub> > 10000 mg/kg

**Acute Dermal Toxicity:** Rabbit - LD<sub>50</sub> > 5000 mg/kg

**Acute Inhalation Toxicity:** Not available

**Sub-chronic Oral Toxicity:** Not available

**Sub-chronic Dermal Toxicity:** Not available

**Skin Irritation:** Rabbit - Not irritating

**Eye Irritation:** Rabbit - Not irritating

**Sensitization:** Guinea pig - Not sensitizing.

**Chronic Toxicity:** No carcinogenic, mutagenic or teratogenic effects known.

### Section 12: Ecological Information

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**Toxicity:** EC<sub>50</sub> (24h) = 5000 mg/L (*Lepomis macrochirus*)

EC<sub>50</sub> (24h) = 5000 mg/L (*Oncorhynchus mykiss*)

EC<sub>50</sub> (24h) = 5000 mg/L (*Petromyzon marinus*)

**Persistence and Degradability:** Readily biodegradable. 76% (OECD) 301B.)

**Bioaccumulative Potential:** Low bioaccumulation is expected. Log K<sub>ow</sub> = 3.14 (allantoin). BCF: not available.

**Mobility in Soil:** Not available.

**Results of PBT and vPvB**

**Assessment:** Not available.

**Other Adverse Effects:** None known



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### Section 13: Disposal Information

**Waste Treatment Methods:** Product residues should be packaged, sealed, labeled and disposed of or incinerated in a suitable installation according to relevant local and national regulations. Contaminated empty containers should be treated in the same manner as the content.

### Section 14: Transport Information

	US DOT	EU Land Transport (ADR/RID/AND)	Sea Transport (IMDG)	Air Transport (ICAO/IATA)
<b>UN Number:</b>	Not regulated	Not regulated	Not regulated	Not regulated
<b>UN Proper Shipping Name:</b>	Not regulated	Not regulated	Not regulated	Not regulated
<b>Transport Hazard Class(es):</b>	Not applicable	Not applicable	Not applicable	Not applicable
<b>Packing Group:</b>	Not applicable	Not applicable	Not applicable	Not applicable
<b>Environmental Hazards:</b>	Not applicable	Not applicable	Not applicable	Not applicable
<b>Special Precautions for User:</b>	None	None	None	None
<b>Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code:</b>	Not applicable	Not applicable	Not applicable	Not applicable

### Section 15: Regulatory Information

**Safety, Health and Environment Regulations/Legislation Specific for the Substance or Mixture:**

**EU EINECS/ELINCS/NLP:** Listed on the EINECS Inventory.

**Canada DSL/NDSL:** Listed on DSL

**US TSCA:** Not applicable

**Korea KECI:** Listed

**China IECSC:** Listed on the IECSC

**Japan ENCS:** Listed on the Japanese Existing and New Chemical Substances Inventory

**Philippine PICCS:** Listed on the PICCS

**Australia AICS:** Listed on the AICS

**California Prop. 65:** This product may contain trace heavy metals (as Pb  $\leq$  10.0 ppm), which is listed on California Proposition 65. Note that these trace impurities are non-avoidable through the manufacturing process of Allantoin USP.



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### Section 16: Other Information

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**Indication of Changes:** Version 1.3 created May 17, 2022

**List of Relevant R-phrases**

(number and full text): Not applicable

**Legal Disclaimer:** Since the user's working conditions are not known to us, the information supplied on this safety data sheet is based on our current level of knowledge and on national and community regulations.

The product must not be used for any purposes other than those specified under heading 1 without first obtaining written handling instructions.

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