


## ALLANTOIN

### 1. IDENTIFICATION

**Product Name:** Allantoin  
**INCI Name:** Allantoin  
**CAS#:** 97-59-6  
**Product Form:** Powder  
**Product Use:** Cosmetic use  
**Distributor:** Avena Lab, Farmadria d.o.o.  
**Address:** Heroja Pinkija 44, Vršac  
**Telephone:** +381(0)695565028 or +381(0)695565029  
**Website:** www.avenalab.com  
**Email:** info@avenalab.com

### 2. HAZARD(S) IDENTIFICATION

**GHS Signal Word:** WARNING  
**GHS Hazard Pictograms:**   
**GHS Hazard 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: May 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

Chemical Name	CAS number	Weight %	Molecular Weight
Allantoin	97-59-6	100%	158.121 g/mol

## 4. FIRST-AID MEASURES

<b>Eyes:</b>	Immediate medical attention is required. Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes.
<b>Inhalation:</b>	Remove from exposure, lie down. Move to fresh air. If not breathing, give artificial respiration. Immediate medical attention is required.
<b>Skin:</b>	Wash off immediately with soap and plenty of water while removing all contaminated clothing and shoes. Obtain medical attention. Take off contaminated clothing and shoes immediately.
<b>Ingestion:</b>	Drink plenty of water. If possible, drink milk afterwards. Do Not Induce Vomiting! Never give anything by mouth to an unconscious person. Call a physician immediately.

## 5. FIRE-FIGHTING MEASURES

<b>Suitable extinguishing media:</b>	Water spray, fog, CO2, dry chemical, or alcohol resistant foam.
<b>Unsuitable extinguishing media:</b>	Do not use a solid water stream as it may scatter and spread fire.
<b>Specific hazards arising from the chemical:</b>	Fire may produce irritating, corrosive and/or toxic gases.
<b>Special protective equipment and precautions for firefighters:</b>	Firefighters must use standard protective equipment including flame retardant coat, helmet with face shield, gloves, rubber boots, and in enclosed spaces, SCBA. Structural firefighters protective clothing will only provide limited protection. Wear self-contained breathing apparatus with a full facepiece operated in the positive pressure demand mode when fighting fires.
<b>Fire fighting instructions:</b>	In case of fire and/or explosion do not breathe fumes. Use standard firefighting procedures and consider the hazards of other involved materials. Move containers from fire area if you can do so without risk. Water runoff can cause environmental damage. Ventilate closed spaces before entering them. Keep run-off water out of sewers and water sources. Dike for water control.
<b>Specific methods:</b>	Use water spray to cool unopened containers.
<b>General fire hazards:</b>	Static charges generated by emptying package in or near flammable vapor may cause flash fire.

## 6. ACCIDENTAL RELEASE MEASURES

**Personal precautions,  
protective equipment and  
emergency procedures:  
(Methods and materials  
for containment and  
cleaning up)**

Eliminate all sources of ignition. Avoid contact with skin or inhalation of spillage, dust or vapor. Keep unnecessary personnel away. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ventilate closed spaces before entering them. Collect and dispose of spillage as indicated in section 13 of the SDS. Absorb with inert absorbent such as dry clay, sand or diatomaceous earth, commercial sorbents, or recover using pumps. The product is immiscible with water and will spread on the water surface. Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Never return spills in original containers for re-use. This material and its container must be disposed of as hazardous waste. Eliminate all ignition sources (no smoking, flares, sparks or flames in immediate area). Prevent product from entering drains. Large Spills: Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Cover with plastic sheet to prevent spreading. Absorb in vermiculite, dry sand or earth and place into containers. Small Spills: Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination.

**Environmental precautions:**

Retain and dispose of contaminated wash water. Avoid release to the environment. Contact local authorities in case of spillage to drain/aquatic environment. Prevent further leakage or spillage if safe to do so.

---

## 7. HANDLING AND STORAGE

**Precautions for safe handling:**

Do not handle or store near an open flame, heat or other sources of ignition. Take precautionary measures against static discharges. All equipment used when handling the product must be grounded. Avoid breathing vapor. Avoid contact with eyes, skin, and clothing. Avoid prolonged exposure. Wash thoroughly after handling.

**Conditions for safe storage,  
including any incompatibilities:**

Keep container closed. Handle containers with care. Open slowly in order to control possible pressure release. Store in a cool, well-ventilated area.

---

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

**Occupational exposure limits:**

This substance has no PEL, TLV, or other recommended exposure limit.

**Biological limit values:**

No biological exposure limits noted for the ingredient(s).

**Appropriate engineering controls:**

Use explosion-proof ventilation equipment to stay below exposure limits. Adequate ventilation should be provided so that exposure limits are not exceeded.

## Individual protection measures, such as personal protective equipment

**Eye/face protection:** Wear safety glasses with side shields (or goggles).

### Skin protection

Hand protection: Chemical resistant gloves.  
 Other: Wear suitable protective clothing.

**Respiratory protection:** Respiratory protection not required. If ventilation is insufficient, suitable respiratory protection must be provided.

**Thermal hazards:** Wear appropriate thermal protective clothing, when necessary.

**General hygiene considerations:** Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

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

<b>Ecotoxicity</b>	<b>Not available</b>
<b>Persistence and Degradability:</b>	<b>Not available</b>
<b>Bioaccumulative Potential:</b>	<b>Not available</b>
<b>Mobility in Soil:</b>	<b>Not available</b>
<b>PBT and vPvB Assessment:</b>	<b>Not available</b>
<b>Other Adverse Effects:</b>	<b>Not available</b>

## 13. DISPOSAL CONSIDERATIONS

<b>Disposal instructions:</b>	Do not discharge into drains, water courses or onto the ground. Do not allow this material to drain into sewers/water supplies. Do not contaminate ponds, waterways or ditches with chemical or used container. Dispose of contents/container in accordance with local/regional/national/international regulations.
<b>Local disposal regulations:</b>	Dispose in accordance with all applicable regulations.
<b>Hazardous waste code:</b>	Not established.
<b>Waste from residues / unused products:</b>	Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see: Disposal instructions). Since emptied containers may retain product residue, follow label warnings even after container is emptied. Empty containers should be taken to an approved waste handling site for recycling or disposal.

## 14. TRANSPORT INFORMATION

Transport	Transport	Hazard class	Packing group	UN number
Land	RID/ADR	Not Regulated	Not Regulated	Not Regulated
Maritime	IMDG			
Air	IATA/DGR			

## 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

**Disclaimer:** Avena Lab, Farmadria d.o.o. cannot anticipate all conditions under which this information and its product, or the products of other manufacturers in combination with its product, may be used. It is the user's responsibility to ensure safe conditions for handling, storage and disposal of the product, and to assume liability for loss, injury, damage or expense due to improper use. The above information relates only to this product and not to its use in combination with any other material or any particular process and is designed only as guidance for the safe handling, use, processing, storage, transportation, and disposal and should not be considered as a guarantee or quality specification. It is the sole responsibility of the individual(s) purchasing this product to assess its' safety in the final application. The above information is based on data provided by and collected from recognized sources such as distributors, manufacturers, and technical groups and is considered to be accurate to the best of our knowledge. Appropriate warnings and safe handling procedures should be provided to all handlers and users, taking into account the intended use and the specific conditions and factors relating to such use in accordance with all applicable laws and regulations.