


<p>Page 1 of 4</p> <p>Print Date 26.11.2018</p>	<p><b>Material Safety Data Sheet</b> according to Regulation (EC) No. 1907/2006 (REACH)</p> <p>Allantoin plv.</p>	 <p>Revision Date 26.11.2018</p>
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## 1 Identification of the substance/mixture and of the company/undertaking

- **Informations to product No. 4055**
- **Product name:**

**Allantoin plv.**  
Allantoinum  
5-Ureido-hydantoin

- **Supplier of the Product / responsible Company:**

Caesar & Loretz GmbH  
Herderstr. 31  
40721 Hilden  
Tel.: 02103/4994-0  
Fax: 02103/32360  
e-mail: info@caelo.de

- **Emergency telephone:**

Giftinformationszentrum Mainz  
Langenbeckstr. 1, 55131 Mainz  
Tel.: 06131/19240

- **Relevant identified uses of the substance or mixture and uses advised against:**

No further relevant information available.

- **Application of the substance / mixture:**

Ingredient for pharmaceutical drugs or active pharmaceutical ingredient.

## 2 Hazards identification

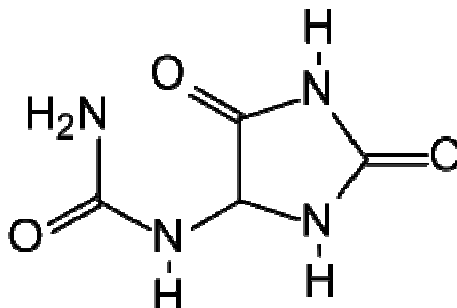
- **Hazards identification:** The substance is not classified as dangerous according to European Union legislation.


## 3 Composition / information on ingredients

### CAS-No. Substance name

97-59-6 Allantoin (5-Ureido-hydantoin)

- **EINECS-No.:** 202-592-8
- **REACH Reg. No.:** 01-2119953242-43-0000
- **INCI-Name:** Allantoin
- **Chemical characterization:**



<p>Page 2 of 4</p> <p>Print Date 26.11.2018</p>	<p><b>Material Safety Data Sheet</b> according to Regulation (EC) No. 1907/2006 (REACH)</p> <p>Allantoin plv.</p>	 <p>Revision Date 26.11.2018</p>
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#### 4 First aid measures

- **after inhalation:** Fresh air. If feeling unwell continuously seek medical advice.
- **after skin contact:** Wash away with plenty of water.
- **after eye contact:** Rinse out with plenty of water with the eyelid wide open.
- **after swallowing:** Drink water. Induce vomiting. Seek medical advice.

#### 5 Fire-fighting measures

- **Suitable extinguishing media:** All regular extinguishing media can be used. Select fire fighting measures suitable to surrounding environment.
- **Specific hazards during fire fighting:** Combustible, but not flammable. In case of fire dangerous vapours/gases can be generated: Smoke gases.
- **Additional information:** Prevent fire extinguishing water from contaminating surface water, the ground water system or soil. Residues must be deposited according to local regulations.

#### 6 Accidental release measures

- **Personal protective measures:** Avoid dust formation and contact with substance.
- **Environmental protective measures:** Prevent from entering into drains.
- **Methods for cleaning:** Take up dry. Disposal according to Chapter 13 of this MSDS. Clean up with water.

#### 7 Handling and storage


- **Handling:** No special requirements.
- **Advice on safe handling:** No special measures required.
- **Informations to fire or explosion protection:** No special measures required.
- **Storage:**
- **Requirements for storage areas and containers:** Tightly closed. Store at a dry place. At room temperature ( +15°C to +25°C ).
- **Advices on common storage:** Not required.

#### 8 Exposure controls / personal protective equipment

- **Personal protective equipment:**
- **General protective and hygiene measures:** The usual precaution measures during handling of chemicals are to observe.
- **Respiratory protection:** Required if dusts are generated.
- **Hand protection:** Not required.
- **Eye protection:** required

#### 9 Physical and chemical properties

- **Form:** solid
- **Colour:** white
- **Odour:** odourless

<p>Page 3 of 4</p> <p>Print Date 26.11.2018</p>	<p><b>Material Safety Data Sheet</b> according to Regulation (EC) No. 1907/2006 (REACH)</p> <p>Allantoin plv.</p>	 <p>Revision Date 26.11.2018</p>
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- **Melting point / melting range:** 230 °C (decomposition)
- **Boiling point / boiling range:** not determined
- **Flash point:** not determined
- **Density:** (20 °C) 1,7 g/cm<sup>3</sup>
- **Bulk density:** ca. 800 kg/cbm
- **Solubility in / Miscibility with**
- **Water:** (25 °C) 5,7 g/l

## 10 Stability and reactivity

- **Thermal decomposition / conditions to avoid:**  
No decomposition during appropriate use.
- **Hazardous reactions:** No hazardous reactions known.
- **Hazardous decomposition products:** none

## 11 Toxicological information

- **Acute toxicity:** LD50 (oral,Rat): >5000 mg/kg
- **Additional toxicological informations:**  
In case of appropriate handling and usage the product does not cause harmful effects.

## 12 Ecological information


- **Ecotoxicological data:**  
Fish (Brachydanio rerio): LC50 > 5000 mg/l  
Bacteria (Pseudomonas putida) EC0 > 10g/l
- **Information about elimination (persistence and degradability):**  
Readily biodegradable (>70%)
- **Log pOW:** -3,14
- **General advices:** Prevent from entering sewage water or drainage ditch undiluted or unneutralized.
- **Water hazard class:** 1 (self classification): slightly hazardous for water.

## 13 Disposal considerations

- **Product:**
- **Recommendation:** Disposal according to local regulations as pharmaceutical waste.
- **Empty contaminated packaging:**
- **Recommendation:** Disposal according to the local regulations.

## 14 Transport informations

- **Land transport according to ADR:**  
Not classified as dangerous in the meaning of transport regulations.

<p>Page 4 of 4</p> <p>Print Date 26.11.2018</p>	<p><b>Material Safety Data Sheet</b> according to Regulation (EC) No. 1907/2006 (REACH)</p> <p>Allantoin plv.</p>	 <p>Revision Date 26.11.2018</p>
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## 15 Regulatory information

· **Labelling according to actual legislation (GHS, Globally Harmonized System of Classification and Labelling of Chemicals):**

The product does not need to be labelled according to GHS-regulations.

- **National regulations (Germany):**
- **Water hazard class:** see chapter 12
- **Storage class TRGS 510:** 11

## 16 Other Information

The information provided in this MSDS is correct to the best of our knowledge at the date of edition.

- **Reason for last revision:** Adjustment to regulation (EC) 1907/2006 (REACH) and GHS-labelling system.