

## Certificate of Analysis

**Product:** Allantoin Powder

**Botanical Name/INCI:** 5-ureidohydantoin or glyoxyldiureide

**Lot No:** BPCATP042024

**Best Before:** April, 2028

**Origin:** USA

Characteristic	Specification	Result
Appearance	White, crystalline powder	Pass
Odor	Odorless	Pass
Melting Point	Min. 230	230.6
Identification A (IR Spectrum)	Conforms	Pass
Identification B (TCL Test)	Conforms	Pass
Identification C	Conforms	Pass
Identification D	Conforms	Pass
Content (wt%)	99.0 – 101.0	99.82
Loss on Drying (wt%)	Max. 0.1	0.08
Residue on Ignition (wt%)	Max. 0.1	0.03
pH (0.5% in water)	4.0 – 6.0	4.52
Sulphate	Max. 200 ppm	<200
Chloride	Max. 40 ppm	<40
Optical Rotation (0.5% in water)	-0.10° - +0.10°	Pass
Acidity or Alkalinity	Conforms	Pass
Related Substances (TLC)	Conforms	Pass
Reducing Substances	Conforms	Pass
Heavy Metals (Pb)(wt%)	<0.001	<0.001
Microbiological Test	<100 cfu/g	<10
Conclusion	Approved	

This product is a 100% pure and natural. It does not contain any artificial ingredients or adulteration of any kind to the best of our knowledge and specifications. The analysis and statements herein constitute the most complete information available to Botanic Planet Canada Inc. Please refer to all relevant technical information specific to the product, prior to use. This information contained in this material safety Data sheet is obtained from current and reliable sources. As an ordinary or otherwise user(s) of this product is outside the control of Botanic Planet Canada Inc., no representation or warranty, expressed or implied is made as to the effect(s) of such use (s) (including damages or injury) or any obtained. Botanic Planet Canada Inc. expressly disclaims responsibility as to the ordinary or otherwise uses. Furthermore, Botanic Planet Canada Inc. makes no claims as to the fitness for any use, and you should consider nothing container herein as a recommendation. The Liability of botanic Planet Canada Inc. is limited to the value of the goods and does not include any consequential loss. In the event of any dispute, the Customer hereby agrees that Jurisdiction is limited to the province of Ontario Canada.

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## Material Safety Data Sheet

### 1. PRODUCT INFORMATION AND COMPANY IDENTIFICATION

<b>Product name</b>	Allantoin Powder
<b>INCI Name</b>	5-ureidohydantoin or glyoxyldiureide
<b>Country of Origin</b>	USA
<b>Product Use</b>	Cosmetic
<b>Supplier</b>	Botanic Planet Canada Inc.
<b>Address</b>	2 Bram Crt Unit # 3 Brampton, Ontario, L6W 3R6 Canada
<b>Telephone number</b>	905-455-4444
<b>Emergency phone number</b>	(613)-996-6666 CANUTEC 24 HOUR EMERGENCY

### 2. HAZARD IDENTIFICATION

**GHS Classification**

Combustible Dust

**GHS label elements**

Signal Word                      Warning

Hazard Statements              May form combustible dust concentrations in air.

Precautionary Statements    Prevention:  
Keep dust/air mixtures away from ignition sources .

**Other hazards**

None known.

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

INCI NAME	CAS NO.	CONCENTRATION (%)
Allantoin	97-59-6	99
Water	7732-18-5	1

### 4. FIRST AID MEASURES

If inhaled                              If breathed in, move person into fresh air.  
If unconscious, place in recovery position and seek medical advice.  
If symptoms persist, call a physician.

In case of skin contact	First aid is not normally required. However, it is recommended that exposed areas be cleaned by washing with soap and water.
In case of eye contact	Remove contact lenses. Protect unharmed eye.
If swallowed	Do not give milk or alcoholic beverages. Never give anything by mouth to an unconscious person. If symptoms persist, call a physician.

Most important symptoms and effects, both acute and delayed  
No symptoms known or expected.

Notes to physician

No hazards which require special first aid measures.

## 5. FIRE FIGHTING MEASURES

Suitable extinguishing media

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Water spray

Form

Specific hazards during firefighting

Organic dusts at sufficient concentration can form explosive mixtures in air.

Do not allow run-off from fire fighting to enter drains or water courses.

Hazardous combustion products

carbon dioxide and carbon monoxide

Specific extinguishing methods

Product is compatible with standard fire-fighting agents.

Further information

Standard procedure for chemical fires.

Special protective equipment for firefighters

In the event of fire, wear self-contained breathing apparatus.

## 6. ACCIDENTAL RELEASE MEASURES

### Personal precautions, protective equipment and emergency procedures

Avoid dust formation. Avoid breathing dust.

Persons not wearing protective equipment should be excluded from area of spill until clean-up has been completed.

### Environmental precautions

Prevent further leakage or spillage if safe to do so.

### Methods and materials for containment and cleaning up

Pick up and arrange disposal without creating dust.

Keep in suitable, closed containers for disposal.

### Other information

Comply with all applicable federal, state, and local regulations.

## 7. HANDLING AND STORAGE

### **Advice on safe handling**

Avoid dust formation.

Smoking, eating and drinking should be prohibited in the application area.

For personal protection see section 8.

### **Conditions for safe storage**

No smoking.

### **Materials to avoid**

No materials to be especially mentioned.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### **Components with workplace control parameters**

Contains no substances with occupational exposure limit values.

### **Engineering measures**

Provide appropriate exhaust ventilation at places where dust is formed. General room ventilation should be adequate for normal conditions of use. However, if unusual operating conditions exist, provide sufficient mechanical (general and/or local exhaust) ventilation to maintain exposure below exposure guidelines (if applicable) or below levels that cause known, suspected or apparent adverse effects.

### **Personal protective equipment**

#### **Respiratory protection**

No personal respiratory protective equipment normally required.

#### **Eye protection**

Safety glasses

#### **Skin and body protection**

Wear as appropriate:

Safety shoes

Wear resistant gloves (consult your safety equipment supplier).

#### **Hygiene measures**

Avoid breathing dust.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Crystalline, powder
Physical state	Solid
Colour	White
Odour	Characteristic
Odor threshold	No data available
PH	No data available
Melting point/ freezing point	Melting point/range: 230°C – deg
Boiling point/ boiling range	No data available
Flash point	Not applicable
Evaporation rate	No data available
Flammability (solid, gas)	No data available
Upper explosion limit	No data available
Lower explosion limit	No data available
Vapor Pressure	No data available
Relative vapor density	No data available
Relative density	No data available
Density	No data available
Solubility(ies) Water solubility	5.2 g/l
Solubility in other solvents	No data available
Partition coefficient: n-octanol/water	No data available
Thermal decomposition	No data available
Viscosity, dynamic	No data available
Viscosity, kinematic	No data available
Oxidizing, properties	No data available

## 10. STABILITY AND REACTIVITY

### Reactivity

No decomposition if stored and applied as directed.

### Chemical stability

Stable under recommended storage conditions.

### Possibility of hazardous reactions

Product will not undergo hazardous polymerization.

### Conditions to avoid

Keep away from heat, flame, sparks and other ignition sources.

## 11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Inhalation

Skin contact

Eye Contact

Ingestion

### **Acute toxicity**

Not classified based on available information.

### **Skin corrosion/irritation**

Not classified based on available information.

### **Serious eye damage/eye irritation**

Not classified based on available information.

### **Product:**

Remarks: Unlikely to cause eye irritation or injury., Product dust may be irritating to eyes, skin and respiratory system.

### **Respiratory or skin sensitisation**

Skin sensitisation: Not classified based on available information.

Respiratory sensitisation: Not classified based on available information.

### **Germ cell mutagenicity**

Not classified based on available information.

### **Carcinogenicity**

Not classified based on available information.

### **Reproductive toxicity**

Not classified based on available information.

### **STOT - single exposure**

Not classified based on available information.

### **STOT - repeated exposure**

Not classified based on available information.

### **Aspiration toxicity**

Not classified based on available information.

### **Further information**

#### **Product:**

Remarks: No data available

#### **Carcinogenicity:**

<b>IARC</b>	No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.
<b>OSHA</b>	No component of this product present at levels greater than or equal to 0.1% is on OSHA's list of regulated carcinogens.
<b>NTP</b>	No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

## 12. ECOLOGICAL INFORMATION

### Ecotoxicity

#### Product:

Ecotoxicology Assessment

Acute aquatic toxicity      Not classified based on available information.

Chronic aquatic toxicity      Not classified based on available information.

Persistence and degradability

No data available

Bioaccumulative potential

No data available

Mobility in soil

No data available

Other adverse effects

No data available

Product:

Additional ecological information      No data available

## 13. DISPOSAL CONSIDERATIONS

Disposal methods

General advice      Dispose of in accordance with all applicable local, state and federal regulations.

Contaminated packaging      Empty remaining contents.

## 14. TRANSPORT INFORMATION

### International transport regulations

#### REGULATION

ID NUMBER	PROPER SHIPPING NAME	*HAZARD CLASS	SUBSIDIARY HAZARDS	PACKING GROUP	MARINE POLLUTANT / LTD. QTY.

#### MX\_DG

Not dangerous goods

#### INTERNATIONAL AIR TRANSPORT ASSOCIATION – PASSENGER

Not dangerous goods

#### INTERNATIONAL AIR TRANSPORT ASSOCIATION – CARGO

Not dangerous goods

#### INTERNATIONAL MARITIME DANGEROUS GOODS

Not dangerous goods

#### TDG\_INWT\_C

Not dangerous goods

#### TDG\_RAIL\_C

Not dangerous goods

#### TDG\_ROAD\_C

Not dangerous goods

#### U.S. DOT - INLAND WATERWAYS

Not dangerous goods

#### CFR\_RAIL\_C

Not dangerous goods

#### U.S. DOT – ROAD

Not dangerous goods

**\*ORM = ORM-D, CBL = COMBUSTIBLE LIQUID**

Marine pollutant                      no

Dangerous goods descriptions (if indicated above) may not reflect quantity, end-use or region-specific exceptions that can be applied. Consult shipping documents for descriptions that are specific to the shipment.

**15. REGULATORY INFORMATION**

EPCRA - Emergency Planning and Community Right-to-Know Act CERCLA Reportable Quantity

This material does not contain any components with a CERCLA RQ. SARA 304 Extremely Hazardous Substances Reportable Quantity

This material does not contain any components with a section 304 EHS RQ.

SARA 311/312 Hazards  
Combustible Dust

SARA 302

This material does not contain any components with a section 302 EHS TPQ.

SARA 313

This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

Pennsylvania Right To Know

Urea, N-(2,5-dioxo-4-imidazolidinyl)-                      97-59-6

New Jersey Right To Know

Urea, N-(2,5-dioxo-4-imidazolidinyl)-                      97-59-6

California Prop 65

This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

The components of this product are reported in the following inventories:

TSCA	This product is regulated under the United States Food and Drug Act (FDA).
DSL	On the inventory, or in compliance with the inventory
AICS	On the inventory, or in compliance with the inventory
ENCS	On the inventory, or in compliance with the inventory
KECI	On the inventory, or in compliance with the inventory
PICCS	On the inventory, or in compliance with the inventory
IECSC	On the inventory, or in compliance with the inventory

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