



CERTIFICATE OF ANALYSIS

Item Description: Allantoin

Batch Number: 4369303

Best Before End: August 2022

PARAMETER	SPECIFICATION	RESULTS
Assay	98.0- 101.0%	99.2%
Characteristic	White crystalline powder	Conforms
Melting Point	225°C with decomposition	226.3°C
Solubility	Slightly soluble in water Very slightly soluble in alcohol	Conforms
Identification	A. Infrared spectrum is march with the spectrum of allantoin CRS B. Thin-Layer Chromatographic Identification Test	Conforms
Acidity or Alkalinity	To Conform	Conforms
Optical Rotation	-0.10° ~+0.10°	Conforms
Related Substances	<0.5%	0.4 %
Loss on Drying	<0.1%	0.5 %
Sulphated Ash	<0.1%	0.03 %
Heavy Metal (Pb)	≤10ppm	Conforms

We believe the information herein to be reliable, no warranty, express or implied, is made as to its accuracy or completeness and none is made as to the fitness of this material for any purpose. MADAR shall not be liable for damages to person or property resulting from its use. Certified that the supplies detailed hereon are covered by the sources Certificate of Conformity or Test Certificate referenced hereon.

Section 1. Identification of the Substance/Preparation and of the Company

Issue Date 17.05.16

1.1 Product Identifier.

GHS Product Identifier: ALLANTOIN
 Chemical name:

1.2. Relevant identified uses of the substance or mixture and uses advised against.

Identified use(s): Formulation additive, Personal care
 Uses advised against Other than identified uses.

1.3. Data of the supplier of the safety data sheet.

Supplier: MADAR Corporation Ltd.
 Address: 19-20 Sandleheath Industrial Estate, Fordingbridge, Hampshire, SP6 1PA
 Phone: 01425 655555
 E-mail address: sales@madarcorporation.co.uk
 Approved sellers: Cosmetic Butters, Mystic Moments, New Directions, World of Moulds

Section 2. Hazards Identification

2.1 Classification of the substance or mixture.

2.1.1 Regulation (EC) No. 1272/2008 (CLP)

Physical hazards: Not classified.
 Environmental hazards: Not classified.
 Health Hazard: Acute Tox4, H302

2.2 Label Elements.

2.2.1 Label Elements According to Regulation (EC) No. 1272/2008 (CLP)

GHS Product: Identifier Allantoin
 Hazard Pictogram



Signal word(s): Warning
 Hazard statement(s): H302 Harmful if swallowed.
 Precautionary statement(s): P264a Wash skin thoroughly after handling. ; P301+312 IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell. ; P330 Rinse mouth. ; P501A Dispose of contents/container to an approved company in accordance with National Regulations. ; P270 Do not eat, drink or smoke when using this product.

2.3 Other Hazards.

2.4 Additional Information.

Section 3. Composition/Information on Ingredients

3.1 Substances.

EC Classification No.1272/2008

Hazardous Ingredients	% w/w	EC No.	CAS No.	Hazard Pictogram(s) and Hazard Statements
Allatoin	> 98%	202-592-8	97-59-6	GH507 – Acute Tox4, H302

3.2 Mixtures.

3.3 Additional Information.

For the full text of the H/ P-Phrases see Section 16

Section 4. First Aid Measures

4.1 Description of First Aid Measures.

General Information:	Get medical attention if any discomfort continues.
Inhalation:	Move the exposed person to fresh air at once. Get medical attention if any discomfort continues.
Ingestion:	Get medical attention. Rinse mouth thoroughly. Drink plenty of water. Ingestion is unlikely due to extremely bitter taste
Skin Contact:	Promptly flush contaminated skin with water. Promptly remove clothing if soaked through and flush the skin with water.
Eye Contact:	Immediately flush with plenty of water for up to 15 minutes. Remove any contact lenses and open eyelids widely. If irritation persists: Seek medical attention and bring along these instructions.

4.2 Most important symptoms and effects – both acute and delayed.

General Information:	The severity of the symptoms described will vary dependant of the concentration and the length of exposure.
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4.3 Indication of any immediate medical attention and special treatment needed.

Section 5. Firefighting Measures

5.1 Extinguishing Media.

Suitable Extinguishing Media:	Extinguish with foam, carbon dioxide, dry powder or water fog.
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5.2 Special hazards arising from the substance or mixture.

Hazardous Combustion Products:	In case of fire, toxic gases (CO, CO ₂ , NO _x) may be formed.
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5.3 Advice for fire-fighters.

Special Fire Fighting Procedures:	Keep run-off water out of sewers and water sources. Dike for water control.
Protective Measures in Fire:	Self-contained breathing apparatus and full protective clothing must be worn in case of fire.

Section 6. Accidental Release Measures

6.1 Personal precautions, protective equipment and emergency procedures.

Avoid inhalation of dust. Avoid contact with skin and eyes.

6.2 Environmental precautions: Dilute with plenty of water.

Avoid discharge into drains, water courses or onto the ground.

6.3 Methods and material for containment and cleaning up.

Avoid generation and spreading of dust. Collect powder using special dust vacuum cleaner with particle filter or carefully sweep into closed container. Ventilate well. Wash contaminated area with water.

6.4 Reference to other sections.

For personal protection, see **section 8**. For waste disposal, see **section 13**.

Section 7. Handling & Storage

7.1 Precautions for safe handling.

Avoid inhalation of dust and contact with skin and eyes. Avoid heat, flames and other sources of ignition. May form explosive mixture with air at very high concentration. Work in fume cupboard. Take precautionary measures against static discharges.

7.2 Conditions for safe storage, including any incompatibilities.

Store in tightly closed original container in a dry, cool and well-ventilated place. Protect from light, including direct sunrays. Keep away from heat, sparks and open flame.

7.3 Specific end use(s).

The identified uses for this product are detailed in Section 1.2.

Section 8. Exposure Controls / Personal Protection**8.1 Control parameters.**

Components with workplace control parameters: No WEL limits are recommended but extreme care is needed to avoid inhalation of dust to avoid unpleasant long lasting bitter taste.

8.2 Exposure controls

Process Conditions:	Provide eyewash station and safety shower.
Engineering Measures:	Provide adequate ventilation.
Respiratory Equipment:	Use respiratory equipment with particle filter, type P2.
Environmental Exposure Controls:	Do not discharge into drains, water courses or onto the ground. Dispose of waste and residues in accordance with local authority requirements.

8.2.2 Personal protective equipment

Hand Protection:	Chemical resistant gloves required for prolonged or repeated contact. The most suitable glove must be chosen in consultation with the gloves supplier, who can inform about the breakthrough time of the glove material.
Eye Protection:	Wear approved safety goggles.
Other Protection:	Wear rubber footwear.
Hygiene Measures:	Wash hands after handling. Wash at the end of each work shift and before eating, smoking and using the toilet. When using do not eat, drink or smoke.

Section 9. Physical & Chemical Properties**9.1 Information on basic physical and chemical properties**

Appearance:	Crystalline Powder
Colour:	White / off-white
Odour / Odour threshold:	Odourless
pH value (10 % in water):	No data available.
Boiling point:	No data available.
Melting point:	230°C
Flash point:	No data available.
Granulometry:	No data available.
Auto-ignition temperature:	No data available.
Vapour pressure:	No data available.
Relative density:	1.2 @25°C
Solubility in water:	Insoluble in water.
Surface tension:	No data available.
Log Po/w:	No data available.
Viscosity:	No data available.
Dissociation constant:	No data available.
Flammability Limit:	This product is combustible.
Partition Coefficient (N-Octanol/Water):	- 1.13
Oxidising Properties:	Does not meet the criteria for oxidising

9.2 Other information

Mol. Weight:	158.1
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Section 10. Stability & Reactivity**10.1 Reactivity.**

No reactivity issues.

10.2 Chemical stability.

Stable under normal temperature conditions and recommended use.

10.3 Possibility of hazardous reactions.

Will not polymerise.

10.4 Conditions to avoid.

Avoid exposure to high temperatures or direct sunlight.

10.5 Incompatible materials.

Strong oxidising substances.

10.6 Hazardous decomposition products.

During fire, toxic gases (CO, CO₂, NO_x) are formed.

Section 11. Toxicological Information**11.1 Information on toxicological effects**

Toxic Dose 1 - LD50:

No data

11.1.1 Substances**Acute toxicity**

Ingestion:

Harmful if swallowed.

Skin Contact:

Skin irritation is not anticipated when used normally.

Eye Contact:

No specific health warnings noted.

11.2 Other information.

Not available

Section 12. Ecological Information**12.1 Toxicity.**

LC50 96 Hrs Fish mg/l No data

EC50 48 Hrs Daphnia mg/l No data

IC50 72 Hrs Algae mg/l >100

12.2 Persistence and degradability

The product is biodegradable.

12.3 Bioaccumulative potential

The product does not contain any substances expected to be bioaccumulating.

Partition Coefficient:

Partition coefficient (n-octanol/water): Log Pow = -1.13

12.4 Mobility in soil.

No data available

12.5 Results of PBT and VPVB assessment.

No data available

Section 13. Disposal Considerations**13.1 Waste treatment methods**

Waste is suitable for incineration. Dispose of waste and residues in accordance with local authority requirements.

General Information

Waste is classified as hazardous waste. Disposal to licensed waste disposal site in accordance with the local Waste Disposal Authority.

Section 14. Transport Information**14.1 UN number**

N/A

14.2 UN proper shipping name

Not hazardous goods.

14.3 Transport hazard class(es)

N/A

14.4 Packaging group

N/A

14.5 Environmental hazards

N/A

14.6 Special precautions for user

N/A

Section 15. Regulatory Information**15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**

This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006.

15.2 Chemical safety assessment

For this product a chemical safety assessment was not carried out.

Section 16. Other Information**Full text of H-Statements referred to under sections 2 and 3.**

H302

Harmful if swallowed.

Full text of P-phrases referred to under sections 2 and 3

P264a

Wash skin thoroughly after handling.

P301+312

IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.

P330

Rinse mouth.

P501A

Dispose of contents/container to an approved company in accordance with National Regulations.

P270

Do not eat, drink or smoke when using this product.

Additional Information

Information contained in this publication or as otherwise supplied to Users is believed to be accurate and is given in good faith, but it is for the Users to satisfy themselves of the suitability of the product for their own particular purpose. MADAR Corporation Ltd gives no warranty as to the fitness of the product for any particular purpose and any implied warranty or condition (statutory or otherwise) is excluded except to the extent that exclusion is prevented by law. MADAR Corporation Ltd accepts no liability for loss or damage (other than that arising from death or personal injury caused by defective product, if proved), resulting from reliance on this information. Freedom under Patents, Copyright and Designs cannot be assumed.



Product Specification – Allantoin

Specification Information

CAS No:	97-59-6
EC No:	202-592-8
Full INCI Name:	Allantoin
Assay	98.5-101.0%
Characteristic	White crystalline powder.
Melting Point	225°C, with decomposition
Solubility	Slightly soluble in water Very slightly soluble in alcohol
Identification	A. Infrared spectrum is march with the spectrum of allantoin CRS B. Thin-Layer Chromatographic Identification Test
Acidity or alkalinity	To conform
Optical rotation	-0.10 ^g ~+0.10 ^g
Related substances	< 0.5%
Loss on drying	< 0.5%
Sulphated Ash	< 0.05%
Heavy Metal (Pb)	≤ 10ppm



Various Statements

Allantoin

TO WHOM IT MAY CONCERN

We herewith confirm that our product Allantoin:

- Is manufactured exclusively starting from raw materials of synthetic origin. No materials of vegetable or animal origin are used or come into contact with the product at any stage of the manufacturing process.
- No animal testing was conducted or commissioned on this product.
- No substances classified as Carcinogenic, Mutagenic or Toxic to Reproduction (CMR) category 1, 2, 3 under the Directive 67/548/EEC (Dangerous Substances Directive) or CMR 1A ,1B, 2 under the Regulation (EC) 1272/2008 (Classification, Labelling and packaging) are contained or used during the manufacturing process.
- Is manufactured without any materials of animal origin, thus no risk of infection with TSE (Transmissible Spongiform Encephalopathies) and BSE (Bovine Spongiform Encephalopathy) is connected with this substance.
- No Genetically Modified Organisms (GMO) or products derived from such organisms are used during the manufacturing process.
- No phthalates are present in the product.
- It is manufactured with starting raw materials not containing formaldehyde and that formaldehyde is not present in the final product.
- Is manufactured with raw materials not containing glycol ethers or other glycols and that these substances are unlikely to be present in the final product.
- No nanomaterials or products arising from nanotechnology are used in the manufacturing process of this product.
- May contain Heavy Metals in a concentration of 10 ppm maximum.
- No nitrosamines, chloro organic compounds, residual solvents, pesticides or other toxic impurities are contained.
- Does not contain any of the allergens listed in the Annex III of the Cosmetic Directive 76/768/EEC, its subsequent amendments and in the new Cosmetics Regulation (EC) 1223/2009.