



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

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: Kilo Ltd.
Address: Ham Lane, Kingswinford, West Midlands DY6 7JU
Phone / fax: 01384 293 222 / 293 640
E-mail address of the responsible person: info@kiloltd.co.uk
In case of emergency: (01384) 293 222

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:

Inhalation:

Ingestion:

Skin Contact:

Eye Contact:

Get medical attention if any discomfort continues.

Move the exposed person to fresh air at once. Get medical attention if any discomfort continues.

Get medical attention. Rinse mouth thoroughly. Drink plenty of water. Ingestion is unlikely due to extremely bitter taste

Promptly flush contaminated skin with water. Promptly remove clothing if soaked through and flush the skin with water.

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.

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.

5.2 Special hazards arising from the substance or mixture.

Hazardous Combustion Products:

In case of fire, toxic gases (CO, CO₂, NO_x) may be formed.

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. Kilo 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. Kilo 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.