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CERTIFICATE OF ANALYSIS & SAFETY DATA SHEET

PRODUCT: Allantoin powder

INCI: Allantoin

CHEMICAL NAME: (2,5-Dioxo-4-imidazolidinyl) Urea 5-ureidohydantoin; glyoxyldiureide

COUNTRY OF ORIGIN:

USAGE: Cosmetic use only

Physical & chemical data / Specification

<u>Properties</u>	<u>Specifications</u>	<u>Results</u>
Appearance	White crystalline powder	Complies
Odor	Characteristic	Complies
Identification A (IR)	Meet USP requirements	Pass
Identification B (TLC)	Meet USP requirements	Pass
Identification C (Organic impurities)	Meet USP requirements	Pass
Acidity or Alkalinity	Meet USP requirements	Pass
Reducing substances	Meet USP requirements	Pass
Residue on ignition	0.10 % max	<0.10 %
Assay	98.5 % - 101.5 %	100.24 %
Loss on drying	0,10 % max	0.04 %
Arsenic	-	0.0002 %
Iron	-	0.001 %
Sulphates	-	0.02 %
Chlorides	-	0.005 %
Sulphated ash	-	0.1 %

COMPOSITION / INFORMATION INGREDIENTS

Product Name	CAS NO	EC NO	Concentration
Allantoin	97-59-6	202-592-8	-

HAZARDS IDENTIFICATION

Emergency Overview

GHS Classification:

GHS Label elements, including precautionary statements:

Hazard statement(s)

Precautionary statement(s)

Not classified as dangerous goods.

Signal: Not applicable

Inhalation, skin and eyes.

May be harmful if swallowed, inhaled or absorbed through skin. Inhalation may cause nausea or vomiting but not reported.

EXPOSURE CONTROLS AND PERSONAL PROTECTION

Eyes: Use tightly sealed goggles.

Skin: If skin contact or contamination of clothing is likely, protective clothing should be worn. Use protective gloves.

Respiratory: In case of insufficient ventilation, wear respiratory equipment. Mask type N95 or P1

FIRST AID MEASURES

Eye contact: Immediately flush eyes with plenty of cool water for at least 15 minutes. Get medical attention if irritation occurs.

Skin contact: Remove contaminated clothing. Wash area with soap and water. If irritation occurs, get medical attention.

Inhalation: If inhaled, removed to fresh air. Get medical attention if symptoms appear.

PHYSICAL AND CHEMICAL PROPERTIES

Solubility	Almost insoluble in water & alcohol, soluble in aqueous acids and alkaline solution
Flash point	Not available
pH 0.5% (aqueous sol.)	4 - 6
Melting Point	224-230 °C

HANDLING AND STORAGE

Precautions for safe handling: No direct lighting. Ensure prompt removal from eyes, skin and clothing. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Handle in accordance with good industrial hygiene and safety procedures.

Conditions for safe storage, including any incompatibilities: Provide local exhaust or general room ventilation to minimize dust and/or vapor concentrations. Keep container closed when not in use.

FIRE FIGHTING MEASURES

Suitable extinguishing media: Carbon dioxide, dry powder or water spray

Special protective equipment and precautions for fire-fighters: Wear proper protective equipment. Exercise caution when fighting any chemical fire.

Special hazards arising from the substance or its combustible products: Hazardous decomposition products may be formed at extreme heat or if burned.

Resulting gases: Not known

ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment, and emergency procedures: Equip clean crew with proper protection. Respiratory protection equipment may be necessary.

Environmental precautions: Prevent entry to sewers and public waters. Notify authorities if product enters sewers or public waters.

Methods and materials for containment and cleaning up: Absorbed with sand or non-combustible absorbent. Keep in suitable, closed containers for disposal.

STABILITY AND REACTIVITY

Reactivity: This material presents no significant reactivity hazard.

Chemical stability: It is stable under normal temperatures and pressures.

Possibility of hazardous reactions: No data available

Conditions to avoid: Incompatible materials, dust generation, excess heat

Incompatible materials: Strong oxidizing agents, strong bases.

Hazardous decomposition products: Carbon monoxide, carbon dioxide, acrid smoke and fumes.

TOXICOLOGICAL INFORMATION

N/P

ECOLOGICAL INFORMATION

Ecotoxicity: Not available
Persistence and degradability: Not available
Bio - accumulative potential: Not available.
Mobility in soil: Not available.
Other adverse effects: Not available.

TRANSPORT INFORMATION

NOT DANGEROUS

CANADIAN CLASSIFICATION

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the SDS contains all the information required by the CPR.

Émis par


Boutique Online Director's

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