

Allantoin

Safety Data Sheet according to Federal Register / Vol. 77, No. 58 /
March 26, 2012 / Rules and Regulation


Revision Date: 07-30-2015
Supersedes: 10-29-2012

1 PRODUCT & COMPANY IDENTIFICATION

| | |
|---|--|
| Product Name: Allantoin | Distributor: MakingCosmetics Inc. |
| Synonyms: 5-ureidohydantoin, glyoxyldiureide | Address: 10800 231 st Way NE |
| INCI Name: Allantoin | Redmond, WA 98053 (USA) |
| CAS Number: 97-59-6 | Phone / Fax: 425-292-9502 / 425-292-9601 |
| Formula: C ₄ H ₆ N ₄ O ₃ | Web: www.makingcosmetics.com |
| Product Form: Powder | |
| Product Use: Cosmetic use | Emergency Telephone Number: 1-800-424-9300 (Chemtrec) |

2 HAZARDS IDENTIFICATION

GHS Signal Word: **WARNING**

GHS Hazard Pictograms: 

GHS Hazard Statements: H302: Harmful if swallowed.

GHS Precautionary Statements: P301+P312 IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.

Potential Health Hazards: Eyes: May be irritant.
Inhalation: May be irritant.
Skin: Not expected to be irritant.
Ingestion: May be irritant.

NFPA Ratings (704):

| | | |
|-----------------|-----|----------|
| Health | 2 | Moderate |
| Flammability | 1 | Slight |
| Reactivity | 0 | Minimal |
| Specific Hazard | n/a | |

3 COMPOSITION/INFORMATION ON INGREDIENTS

| <u>Component</u> | <u>CAS No.</u> | <u>Weight %</u> | <u>Molecular Weight</u> |
|------------------|----------------|-----------------|-------------------------|
| Allantoin | 97-59-6 | 100% | 158.121 g/mol |

4 FIRST AID MEASURES

Eyes: In case of eye contact, rinse with plenty of water and seek medical attention if necessary

Inhalation: Move casualty to fresh air and keep at rest. If breathing is difficult, give oxygen. If not breathing, give artificial respiration. Get medical attention if necessary.

Skin: Flush with plenty of water and wash using soap.

Ingestion: Do Not Induce Vomiting! Never give anything by mouth to an unconscious person. Get medical attention if necessary.

5 FIRE-FIGHTING MEASURES

Suitable (and unsuitable) extinguishing media: May be combustible at high temperature. Use appropriate media (foam, carbon dioxide, dry chemical) for adjacent fire. Do not use water.

Special protective equipment & precautions for firefighters: Wear self-contained, approved breathing apparatus and full protective clothing, including eye protection and boots.

Flash Points: CLOSED CUP: >230-234°C (446-450°F)

Specific hazards arising from the chemical: May emit toxic fumes under fire conditions. See also Stability and Reactivity section.

6 ACCIDENTAL RELEASE MEASURES

Personal precautions, protective See section 8 for recommendations on the use of personal protective equipment.

equipment & emergency procedures:

Environmental precautions: Not available
Methods and material for containment and cleaning up: Isolate spill or leak area immediately. Keep unauthorized personnel away. Stay upwind. Keep out of low areas. Ventilate closed spaces before entering. Do not touch or walk through spilled material. Wear appropriate personal protective equipment during cleanup. Small spills: dike ahead of liquid spill for later disposal. Prevent entry into waterways, sewers, basements or confined areas. Surface may become slippery after spillage.

7 HANDLING & STORAGE

Precautions for safe handling: See section 8 for recommendations on the use of personal protective equipment. Keep container closed when not in use. Avoid contact with eyes, wash thoroughly after handling.
Conditions for safe storage, incl. any incompatibilities: Store in cool, dry, well ventilated area. Keep away from heat and incompatible materials (see section 10 for incompatibilities).

8 EXPOSURE CONTROLS / PERSONAL PROTECTION

| <u>Component</u> | <u>Exposure Limits</u> | <u>Basis</u> | <u>Entity</u> |
|------------------|------------------------|--------------|---------------|
| Allantoin | Not available | | |

TWA: Time Weighted Average over 8 hours of work.
 TLV: Threshold Limit Value over 8 hours of work.
 REL: Recommended Exposure Limit
 PEL: Permissible Exposure Limit

STEL: Short Term Exposure Limit during x minutes.
 IDLH: Immediately Dangerous to Life or Health
 WEEL: Workplace Environmental Exposure Levels
 CEIL: Ceiling

Personal Protection:

Eyes: Safety glasses, goggles, or face shield recommended to protect eyes from mists or splashing
Inhalation: If vapors or mists are generated, wear a NOISH approved organic vapor/mist respirator
Body: PVC coated gloves recommended to prevent skin contact
Other: Provide eyewash stations, quick-drench showers and washing facilities accessible to areas of use and handling

9 PHYSICAL AND CHEMICAL PROPERTIES

| | | | |
|------------------------------------|--------------------------|-------------------------------------|---------------|
| Appearance, Physical State: | Crystalline powder | Vapor Pressure: | Not available |
| Odor: | Not available | Vapor Density: | Not available |
| Taste: | Not available | Evaporation Rate: | Not available |
| Color: | White | Flammability: | Not available |
| Molecular Weight: | 158.121 g/mol | Upper/lower Explosive Limit: | Not available |
| pH (0.5% sol. in water) | 4.0-6.0 | | |
| Boiling Point: | Not available | | |
| Melting Point: | 230°C (446°F) | | |
| Flash Point: | 230-234°C (446-450°F) | | |
| Specific Gravity: | Not applicable | | |
| Solubility: | Water soluble (1g/200ml) | | |

10 STABILITY AND REACTIVITY

Reactivity: No data available
Chemical Stability: Stable under normal conditions
Hazardous Polymerization: Will not occur
Conditions to Avoid: Avoid strong oxidizers
Incompatible Materials: Incompatible with strong oxidizing agents
Hazardous Decomposition Products: Carbon monoxide, carbon dioxide, oxides of nitrogen, nitric acid, hydrogen cyanide

11 TOXICOLOGICAL INFORMATION

Acute Toxicity: LD50: no data reported
Skin: Not expected to be irritant
Eyes: May be irritant

| | |
|--|-----------------|
| Respiratory: | May be irritant |
| Ingestion: | May be irritant |
| Carcinogenicity: | Not available |
| Teratogenicity: | Not available |
| Germ Cell Mutagenicity: | Not available |
| Embryotoxicity: | Not available |
| Specific Target Organ Toxicity: | Not available |
| Reproductive Toxicity: | Not available |
| Respiratory/Skin Sensitization: | Not available |

12 ECOLOGICAL INFORMATION

Ecotoxicity

| | |
|---------------------------------------|---------------|
| Aquatic Vertebrate: | Not available |
| Aquatic Invertebrate: | Not available |
| Terrestrial: | Not available |
| Persistence and Degradability: | Not available |
| Bioaccumulative Potential: | Not available |
| Mobility in Soil: | Not available |
| PBT and vPvB Assessment: | Not available |
| Other Adverse Effects: | Not available |

13 DISPOSAL CONSIDERATIONS

Waste Residues: Users should review their operations in terms of the applicable federal/national or local regulations and consult with appropriate regulatory agencies if necessary before disposing of waste product container.

Product Containers: Users should review their operations in terms of the applicable federal/national or local regulations and consult with appropriate regulatory agencies if necessary before disposing of waste product container.

The information in section 13 is for the product as shipped. Use and/or alterations to the product may change the characteristics of the material and alter the waste classification and proper disposal methods

14 TRANSPORT INFORMATION

| | |
|--|--|
| DOT (Dept. of Transportation, USA): | Refer to bill of lading or container label for DOT or other transportation hazard classification, if any |
| IATA (International Air Transport Association): | Not regulated |
| ICAO (International Civil Aviation Organization): | Not regulated |

15 REGULATORY INFORMATION

| | |
|-------------------------------|-------------------|
| TSCA Inventory Status: | No data available |
| DSCL (EEC): | No data available |
| WHMIS (Canada): | No data available |

16 OTHER INFORMATION

Revision Date: 07-30-2015

Compliance: This document has been prepared in accordance with the SDS requirements of the OSHA Hazard Communication Standard 29 CFR 1910.1200

Disclaimer: This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any other process. Such information is to be the best of the company's knowledge and believed accurate and reliable as of the date indicated. However, no representation, warranty or guarantee of any kind, express or implied, is made as to its accuracy, reliability or completeness and we assume no responsibility for any loss, damage or expense, direct or consequential, arising out of use. It is the user's responsibility to satisfy himself as to the suitability & completeness of such information for his own particular use.