Section 1: Company and Product Identification

Product Name: Allantoin USP

INCI Name: Allantoin

Material Uses: Active ingredient in cosmetic and personal care applications.

Restrictions on Use: Repackaged for cosmetic use only

Company: Lotioncrafter LLC
48 Hope Ln
Eastsound, WA 98245
PH: 1-360-376-8008

Emergency Response: In USA, Canada and North America, 24 hour / 7 day emergency information for our product is provided by the CHEMTREC Emergency Call Center based in the USA.

USA, Canada, Puerto Rico, Virgin Islands CALL +1 800-424-9300
In case of difficulties or for ships at sea CALL +1 703-527-3887
In Europe, Middle East, Africa, Asia Pacific, South America CALL +1 703-527-3887

Section 2: Hazards Identification

Hazard Pictograms: BLANK

Signal Word: Not Applicable

Hazard Classification: This substance does not meet the criteria for a dangerous or hazardous

Hazard Category: Non-classified

Hazard Statements: Not Applicable

Precautionary Statements: Not Applicable

Other Hazards: None

Section 3: Composition / Information on Ingredients

<table>
<thead>
<tr>
<th>Name</th>
<th>Hazard Category</th>
<th>CAS#</th>
<th>Weight %</th>
</tr>
</thead>
<tbody>
<tr>
<td>Allantoin</td>
<td>Not classified</td>
<td>97-59-6</td>
<td>99.5% (w/w)</td>
</tr>
</tbody>
</table>

Additional Information: For full text of H-statements and R-phrases: see SECTION 16
Section 4: First Aid Measures

Description of First Aid

**Measures:** Remove soiled or soaked clothing immediately. Ensure that First Aid Personnel are aware of the product involved, and take precautions to protect themselves (e.g. wear personal protection equipment). In all cases of doubt, or when symptoms persist, seek medical attention. Show this extended safety data sheet to the doctor in attendance.

- **If ingested:** Drink plenty of water. Obtain medical attention.
- **If inhaled:** If inhaled, remove to fresh air and seek medical aid.
- **Eye contact:** In case of contact with eyes, rinse thoroughly with water.
- **Skin contact:** In case of skin contact, wash off with soap and plenty of water.

**Most Important Symptoms and Effects, Acute and Delayed:** This product is not classified as harmful to human health effect.

**Indication of Any Immediate Medical Attention and Special Treatment:** Not available.

Section 5: Fire Fighting Measures

**General Info:** Flash Point: Not available. Flammability: Non flammable. In the event of fire, wear full protective clothing and NIOSH approved self-contained breathing apparatus with full face piece, operated in the positive pressure mode.

**Extinguishing Method / Equipment:** Use water spray, water fog, dry chemical, foam, or carbon dioxide to extinguish fires.

**Hazardous Decomposition Info:** In case of fire, hazardous combustion gases are formed: Carbon monoxide (CO), Carbon dioxide (CO2).
Section 6: Accidental Release Measures

Personal precautions, protective equipment and procedures: Non-emergency personnel: Individuals involved in the cleanup should wear appropriate personal protective equipment. See Section 8. Unnecessary personnel should be kept clear of the area. Use non-sparking tools. Recovered material should be kept clear of the area. Use non-sparking tools. Recovered material should be properly disposed of observing all local, state and federal regulations. Avoid contact with skin/eyes and inhalation of dust. Destroy the product by incineration at an approved waste disposal site.

Emergency responders: Wear an appropriate NIOSH/MSHA approved respirator if dust is generated.

Environmental Precautions: Avoid disposing into drainage/sewer system or directly into the aquatic environment.

Containment and Cleanup Procedures: Take up mechanically. Dispose of as prescribed. Clean spills in a manner that does not disperse dust into the air, preferably a wet-down procedure or vacuum. Use personal protective equipment. Keep in properly labeled containers. Sweep up and shovel into suitable containers for disposal. Use only non-sparking tools.

Section 7: Handling and Storage

Safe Handling Precautions: Good housekeeping and engineering practices should be employed to prevent the generation and accumulation of dusts. Avoid dispersion of dust into air to reduce potential explosion hazard. Eliminate ignition sources. Avoid contact with skin/eyes and inhalation of dust. Individuals handling this product should wear personal protective equipment specified in Section 8. Plant environment should include controls and equipment specified in Section 8.

Recommendations for Storage: Keep in a dry, cool and well-ventilated place. Isolate from incompatible materials. Keep container tightly closed. Avoid storage near incompatible agents (See Section 10).

Specific End Use(s): Active ingredient in cosmetic and personal care applications.
Section 8: Exposure Control / Personal Protection

**Control Parameters:** DN(M)Els for workers:
Dermal - Systemic effects - Long Term - DNEL (Derived No Effect Level): 284 mg/kg bw/day.

DN(M)Els for general population:
Dermal - Systemic effects - Long-term - DNEL (Derived No Effect Level): 284 mg/kg bw/day.

Oral - Systemic effects - Long-term - DNEL (Derived No Effect Level): 56.8 mg/kg bw/day.

**PNEC:**
- Aqua - Freshwater (mg/L): 1. Assessment Factor: 100
- Aqua - Marine Water (mg/L): 0.1. Assessment Factor: 1000
- Aqua - Intermittent Releases: 10. Assessment Factor: 10
- Fresh Water Sediment (mg/kg sediment dw): 0.85
- Soil (mg/kg soil dw): 0.256
- STP (mg/L): 10000. Assessment Factor: 1
- Oral (mg/kg food): No potential for bioaccumulation.

**General / Engineering**

**Controls:** Handle in accordance with good industrial hygiene and safety practice. Use with local exhaust ventilation. Provide general ventilation.

**Eye/face protection:** Use good industrial practice to avoid eye contact. Safety glasses recommended.

**Hand Protection:** For long-term exposure: Butyl rubber gloves. Minimum breakthrough time: 480 min. Short-term exposure: Nitrile rubber gloves. Minimum breakthrough time: 30 min.

**Body Protection:** Neoprene or nitrile rubber coated apron or other body covering may be required if there is a possibility of regular work clothing becoming contaminated with the product.

**Respiratory Protection:** Use respiratory protection in case of insufficient exhaust ventilation or prolonged exposure. Particle filter P2.

**Thermal Hazards:** Wear suitable protective clothing to prevent heat.

**Other:** Observe good chemical hygiene practices, washing exposed areas of the skin several times daily. Launder contaminated clothing before re-use.

**Environmental Exposure**

**Controls:** Non-hazardous but avoid direct releases to the environment.
Section 9: Physical and Chemical Properties

Physical State: Powder
Appearance: Solid at 20 °C abd 101.3 kPa
Color: White
Odor: Odorless
Odor Threshold: No data available
pH: at 5 g/L: 4.5-6.0
Melting Point: 229 °C at 101.3 kPa
Freezing Point: Not available
Boiling Point: Not available
Flash Point (COC): Not available
Self-ignition Temperature: > 420 °C
Decomposition Temperature: Not available
Evaporation Rate: Not applicable
Vapor Pressure: < 0.001 Pa at 20 °C
Explosive Limits: Not applicable
Relative Density: 1.71 at 20 °C
Specific Gravity: Not determined
Water Solubility: 4.9 g/L at 20 °C
Viscosity (cP): Not available
Explosion Properties: None
Oxidizing Properties: None
n-Octanol/Water: Log Kow (Pow): -2.26 at 20 °C
Dissociation Constant Water: pKa at 20 °C: 8.96
Other information: None

Section 10: Stability and Reactivity

Reactivity: The substance is stable under normal storage and handling conditions.
Chemical Stability: The substance is stable under room temperature and in closed containers under normal storage and handling conditions.

Possibility of Hazardous Reactions: No hazardous reactions when stored and handled according to prescribed instructions.

Conditions to Avoid: Incompatible materials.
Incompatible Materials: Contact with strong oxidizing agents.

Hazardous Decomposition
Products: Carbon monoxide, carbon dioxide.
Section 11: Toxicological Information

**Acute Toxicity:** LD50 Rat, oral: > 5000mg/kg bw (male/female).
LD50 Rabbit, dermal: >= 5000 mg/kg bw (male/female).

**Irritation:** Not classified.

**Corrosivity:** Not classified.

**Sensitization:** Not classified.

**Repeated Dose Toxicity:** Not classified.

**Carcinogenicity:** Not classified.

**Mutagenicity:** Not classified.

**Toxicity for reproduction:** Not classified.

Section 12: Ecological Information

**Toxicity:** LC50 > 5000 mg/L 96h - Fresh Water Fish - OECD Test Guideline 203.
EC50 > 100 mg/L 48h - Daphnia magna - Static OECD Test Guidline 202.
EC50 100 mg/L 72h - Algae - OECD Test Guideline 201.

**Persistence and Degradability:** The substance is readily biodegradable.

**Bioaccumulative Potential:** Log Kow = -2.26 (not bioaccumulative).

**Mobility in Soil:** Not available.

**Results of PBT and vPvB**

**Assessment:** The substance is not considered a PBT/vPvB.

**Other Adverse Effects:** Not available.
Section 13: Disposal Information

Waste Treatment Methods: Due to high risk of contamination, recycling/recovery is not recommended. Dispose of waste material in compliance with all federal, state, and local regulations.

Container disposal: Dispose according to local authority regulations. Uncleaned packaging: Packaging that cannot be cleaned should be disposed of as product waste.

Section 14: Transport Information

<table>
<thead>
<tr>
<th></th>
<th>US DOT</th>
<th>EU Land Transport (ADR/RID/AND)</th>
<th>Sea Transport (IMDG)</th>
<th>Air Transport (ICAO/IATA)</th>
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<tbody>
<tr>
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<tr>
<td>Packing Group:</td>
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<td>Not applicable</td>
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</tr>
<tr>
<td>Environmental Hazards:</td>
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</tr>
<tr>
<td>Special Precautions for User:</td>
<td>None</td>
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<tr>
<td>Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code:</td>
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<td>Not applicable</td>
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</tr>
</tbody>
</table>

Section 15: Regulatory Information

Information Regarding Authorization: Not applicable.

Information Regarding Restriction: Not applicable.

Other EU Regulations: Employment restrictions concerning young person must be observed. For use only by technically qualified individuals.

Other National Regulations: Not applicable.

Chemical Safety Assessment: Chemical Safety Assessment has been performed.

California Prop. 65: This product does not contain chemicals known to the State of California to cause cancer, birth defects or other reproductive harm.
Section 16: Other Information

**Indication of Changes:** Version 1.2 created October 2, 2020

**List of Relevant R-phrases**

* (number and full text): Not applicable

**Legal Disclaimer:** Since the user’s working conditions are not known to us, the information supplied on this safety data sheet is based on our current level of knowledge and on national and community regulations. The product must not be used for any purposes other than those specified under heading 1 without first obtaining written handling instructions.

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