



SAFETY DATA SHEET

PRODUCT: ALLANTOIN
INCI: Allantoin
COMPANY: Deo Organic Ltd
ADDRESS: 2300 kathryn ln plano tx 75025
EMAIL: sales@deoorganic.com

1. FIRST AID MEASURES

Fire Extinguishing Media: Not a fire hazard
Special Procedure: Keep the containers cool by spraying water if exposed to heat or Flame.
Unusual Hazards: Not available

2. FIRE FIGHTING MEASURES

General Information: As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear. Dusts at sufficient concentrations can form explosive mixtures with air. During a fire, irritating and highly toxic gases may be generated by thermal decomposition or combustion.
Extinguishing Media: Use water spray, dry chemical, or carbon dioxide.

3. ACCIDENTAL RELEASE MEASURES

General Information: Use proper personal protective equipment
Spills/Leaks: Avoid runoff into storm sewers and ditches which lead to waterways. Clean up spills immediately, observing precautions in the Protective Equipment section. Wear a self-contained breathing apparatus and appropriate Personal protection. (See Exposure Controls, Personal Protection section). Sweep up, then place into a suitable container for disposal. Avoid generating dusty conditions. Provide ventilation.

4. HANDLING AND STORAGE

Handling: Wash thoroughly after handling. Remove contaminated clothing and wash before reuse. Use with adequate ventilation. Minimize dust generation and accumulation. Avoid contact with skin and eyes. Keep container tightly closed. Avoid ingestion and inhalation.
Storage: Store in a cool, dry, well-ventilated area away from incompatible substances. Keep containers tightly closed.

5. EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering Controls: Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower. Use process enclosure,



local exhaust ventilation, or other engineering controls to control airborne levels.

Personal Protective Equipment

- Eyes: Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA's eye and face protection regulations in 29 CFR 1910.133 or European Standard EN166.
- Skin: Wear appropriate protective gloves to prevent skin exposure.
- Clothing: Wear appropriate protective clothing to prevent skin exposure.
- Respirators: Follow the OSHA respirator regulations found in 29CFR 1910.134 or European Standard EN 149. Always use a NIOSH or European Standard EN 149 approved respirator when necessary.

6. PHYSICAL AND CHEMICAL PROPERTIES

Description	White fine powder
Odour	Odourless
Identification	By IR
Melting point	224-230 °C (Deg). Max.
Solubility	Almost insoluble in water & Alcohol, soluble in aqueous acids and alkaline solutions.
pH(0.5%) aqueous sol.	4-6 max.
Sulphated ash	0.1% max.
Chlorides	0.005% max.
Sulphates	0.02% max.
Iron	0.001% max.
Arsenic	0.0002% max.
Loss on drying	0.15% max.
Assay (Potentiometric Titration)	98% - 101%

7. STABILITY AND REACTIVITY

- Chemical Stability: Stable under normal temperatures and pressures.
- Conditions to Avoid: Incompatible materials, dust generation, excess heat.
- Incompatibilities: Strong oxidizing agents, strong bases.
- Hazardous Decomposition Products: Carbon monoxide, carbon dioxide, acrid smoke and fumes.
- Hazardous Polymerization: Has not been reported.

8. TOXICOLOGICAL INFORMATION

N/P



9. ECOLOGICAL INFORMATION

No information available

10. DISPOSAL CONSIDERATIONS

Dispose of in a manner consistent with federal, state, and local regulations.

11. TRANSPORT INFORMATION

IATA	Not regulated as a hazardous material.
IMO	Not regulated as a hazardous material.
RID/ADR	Not regulated as a hazardous material.

12. REGULATORY INFORMATION

European/International Regulations

European Labeling in Accordance with EC Directives

Hazard Symbols: Not available.

13. OTHER INFORMATION

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