

ALLANTOIN

Material Safety Data Sheet (MSDS)

1. PRODUCT IDENTIFICATION

Product Name: Allantoin
INCI Name: allantoin
Chemical Name: 2,5-dioxo-4-imidazolidinyl-urea
CAS Number: 97-59-6
EINECS Number:
Origin: synthetic

2. PHYSICAL & CHEMICAL PROPERTIES

Melting Point: 230°C (446°F)
Specific Gravity, H₂O=1: not applicable
Vapor Pressure, mmHg: not applicable
Evaporation Rate: not applicable
Viscosity: not applicable
Solubility in Water: water soluble (1g/200ml)
RVOC: not applicable
Appearance & Odor: white crystalline powder

3. STABILITY & REACTIVITY

Chemical Stability: stable under normal conditions
Incompatibility: none known
Hazardous Decomposition: see below
Hazardous Polymerisation: will not occur

4. HANDLING & STORAGE

Avoid contact with eyes. Wash thoroughly after handling. As with all chemicals, good industrial hygiene practices should be followed when handling this material. Avoid freezing or excessive heat. Do not handle or store near an open flame, heat or other sources of ignition. Keep the container closed in a cool, well-ventilated place.

5. ACCIDENTAL RELEASE MEASURES

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.

6. EXPOSURE CONTROLS & PERSONAL PROTECTION

Respiratory Protection: If vapors or mists are generated, wear a NOISH approved organic vapor/mist respirator.
Protective Clothing: Safety glasses, goggles, or face shield recommended to protect eyes from mists or splashing. PVC coated gloves recommended to prevent skin contact.
Other Protective Measures: Employees must practice good personal hygiene, washing exposed areas of skin several times daily and laundering contaminated clothing before re-use.

7. HAZARDS IDENTIFICATION

Inhalation: Exposure via inhalation is not likely. Inhalation of mists or vapors of the products may be irritating to respiratory system.

Eye Contact: May cause irritation. Irrigate eye with water for at least 15 to 20 minutes. Seek medical attention if symptoms persist.
Skin Contact: Not expected to be a primary skin irritant. Prolonged or excessive skin contact with this product may cause mild skin irritation.

8. FIRST AID MEASURES

Eyes: Irrigate eyes with a heavy stream of water for at least 15 to 20 minutes. If irritation persists get medical attention.
Skin: Wash exposed areas of the body with soap and water.
Inhalation: Remove from area of exposure. If breathing is difficult, give oxygen. seek medical attention if symptoms persist.
Ingestion: Rinse out mouth and drink lots of water. If unusual symptoms are observed, seek medical advice.

9. FIRE FIGHTING MEASURES

Flammability Limits: None known
Extinguishing Media: Dry chemical, foam, carbon dioxide, water spray (fog). Water stream may splash burning liquid and spread fire.
Fire Fighting Procedures: Firefighters should wear full fire-fighting turn-out gear (full Bunker gear) including NIOSH-approved self-contained breathing apparatus with full facepiece operated in the pressure demand or other positive pressure mode.

10. TOXICOLOGICAL INFORMATION

Hazardous products of decomposition may include: carbon monoxide, carbon dioxide, oxides of nitrogen, nitric acid, hydrogen cyanide
LD 50: no data reported

11. DISPOSAL CONSIDERATIONS

Storage and disposal must be in accordance with applicable local, state & federal disposal regulations. Characterization and compliance with applicable laws are the responsibility solely of the generator.

12. TRANSPORT INFORMATION

DOT Proper Shipping Name: refer to bill of lading or container label for DOT or other transportation hazard classification, if any.
ADR/RIC Code/Class: Not Restricted
Maritime Transport IMDG Code/Class : Not Restricted
Air Transport IATA Code/Class : Not Restricted

13. 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.

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