

LT BioSyn, Inc.

Material Safety Data Sheet

MSDS # LTB-004
6/30/2000

Section 1 - Chemical product and Company identification

Company: LT BioSyn, Inc, 11921 Goldring Road, Arcadia, CA 91006, USA
Tel: 626-930-9135 Chemtrec: 800-424-9300
TSCA Status: Exempt
Product name: Kinetin Technical
Molecular formula: C₁₀H₉N₅O
Molecular weight: 215.22
Product use: Plant growth regulator

Section 2 - Composition/Information on Ingredients

Identity: Kinetin (synthetic Cytokinin) CAS #: 525-79-1 Typical %: 98.5%

Other ingredients: 1.5%

OOSHA PEL: NL
ACGIH TLV: NL
RTECS No: NL

Section 3: Hazards Identification

Physical hazards: None
Health Hazards: Avoid eye and skin contact.

Section 4: Physical properties

Appearance: White odorless crystals
Solubility: 51.0 mg/L (25°C)
Boiling point: N/D
pH: 7.4 (25°C)
Density: 1.4374 g/cm³ (25°C)
Vapor pressure: N/D
Melting Point: 265-266°C

Section 5: First Aid Measures

If in eyes: Immediately flush eyes with plenty of water for at least 15 minutes. If redness, itching or a burning sensation develops, have eyes examined and treated by medical personnel.

If on skin: Immediately wash material off the skin with plenty of soap and water. If unable to wash immediately or tingling, numbness or a burning sensation develops apply skin cream or an oil-based solution to the affected area. If irritation persists, get medical attention.

If swallowed: Provided the patient is conscious, wash out mouth with water. Immediately contact medical personnel or an emergency facility. If spontaneous vomiting occurs, have victim lean forward with head down to avoid breathing in of vomitus, rinse mouth and administer water.

If inhaled: Remove victim to fresh air. If not breathing, giving artificial respiration, preferably mouth to mouth. If breathing is labored, give oxygen. Obtain medical attention.

Provide symptomatic/supportive care as necessary.

Section 6: Fire and Explosion data

Extinguishing Media: Use appropriate medium for underlying cause of fire.
Procedures: Wear protective clothing and self-contained breathing apparatus
Unusual fire/Explosion hazards: N/D

Section 7: Toxicological information

Acute toxicity: Acute oral LD₅₀ > 5000 mg/kg (rat)
Dermal toxicity: LD₅₀ > 2 g/kg (rabbit)
Inhalation toxicity: N/D
Corrosiveness: No.
Dermal Irritation: Slightly irritating (rabbit)
Ocular irritation: Slightly irritating (rabbit)

Section 8: Special protection information

Ventilation: Use local ventilation to control vapors at their source(s)
Respirator: Approved respirator to organic vapors if high concentrations are likely
Gloves: Butyl Rubber
Eye protection: Chemical goggles or face shield
Other protection: Apron

Section 9: Disposal considerations

Disposal method: Do not contaminate waterways by cleaning of equipment or by disposal of wastes. Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.
Container disposal: Completely empty bag into application equipment. Then dispose of empty bag in a sanitary landfill or by incineration, or, if allowed by State and local authorities, by burning. If burned, stay out of smoke.

Section 10: Transport information

Not regulated by DOT.

Section 11: Special handling and storage

Storage conditions: Keep container tightly closed when not in use.
Spill or release procedures: Recover product and place in appropriate container for disposal. Avoid raising dust. Ventilate and wash area.
Waste disposal: Dispose of product in accordance with federal, state and local regulations.

Legend

N/A = Not Applicable
N/D = Not Determined
NL = Not listed

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