

LT BioSyn, Inc.

Material Safety Data Sheet

MSDS # LTB- 015
5/12/02

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: RootGro™ 0.8% 3-Indolebutyric Acid (IBA)
Molecular formula: C₁₂H₁₃NO₂
Molecular weight: 203.24
Product use: Plant growth regulator

Section 2 - Composition/Information on Ingredients

Identity: Indole-3-Butyric Acid CAS #: 133-32-4 Typical %: 0.8%

Other ingredients: 99.2%

OOSHA PEL: NL
ACGIH TLV: NL
RTECS No: NL5250000

Section 3: Hazards Identification

Physical hazards: None
Health Hazards: Harmful if swallowed. Do not inhale. Avoid skin and eye contact

Section 4: Physical properties

Appearance: Blue liquid solution
Solubility: Soluble in water
Boiling point: N/D
pH: 7.2 (25°C)
Density: 1.001@ 20C, 8.3-8.4 lbs/Gal.
Vapor Density: N/D
Vapor pressure: N/D
Melting Point: N/A
Viscosity: 40 cps
Corrosiveness: Non-corrosive

Section 5: First Aid Measures

If in eyes: Immediately flush 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.

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 for Technical IBA

- Acute Oral: LD50 Males >5000 mg/kg; LD50 Females > 2000 mg/kg.
- Acute Dermal: LD50 >5000 mg/kg
- Acute Inhalation: LC50 > 2.08 mg/L
- Dermal Irritation: Non-irritating
- Eye Irritation: Mildly irritating. Irritation cleared by 72 hours.
- Dermal Sensitization: Non-sensitizing

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.

Container disposal: Empty container retains product residue. Observe all hazard precautions. Do not distribute or make available, furnish or reuse empty container except for storage and shipment of original product. Remove all product residues from container and puncture or otherwise destroy empty container before disposal.

Section 10: Transport information: Not regulated by DOT.

Section 11: Special handling and storage

Storage conditions: Avoid excessive storage temperatures and direct sunlight

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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