

# LT BioSyn, Inc.

## Material Safety Data Sheet

MSDS # LTB- 001

7/3/2000

### Section 1 - Chemical product and Company identification

Company: LT BioSyn, Inc, 3406 Pomona Blvd., Pomona, CA 91768, USA  
Tel: 909-348-5133 Chemtrec: 800-424-9300  
TSCA Status: Exempt  
Product name: GA<sub>4+7</sub> (Gibberellic Acid A<sub>4+A7</sub>)  
Molecular formula: GA<sub>4</sub> - C<sub>19</sub>H<sub>24</sub>O<sub>5</sub>, GA<sub>7</sub> - C<sub>19</sub>H<sub>22</sub>O<sub>5</sub>  
Molecular weight: GA<sub>4</sub> - 332.39, GA<sub>7</sub> - 330.37  
Product use: Plant hormone

### Section 2 - Composition/Information on Ingredients

Identity: GA<sub>4+7</sub> Technical CAS #: 468-44-0(GA<sub>4</sub>) Typical %: GA<sub>4</sub> = 61%  
510-75-8(GA<sub>7</sub>) GA<sub>7</sub> = 31%

Other ingredients: 8%

OOSHA PEL: NL  
ACGIH TLV: NL  
RTECS No: LY8990000

### **Section 3: Hazards Identification**

Physical hazards: None  
Health Hazards: Do not inhale. Avoid skin contact

### **Section 4: Physical properties**

Appearance: White odorless powder  
Solubility: Miscible with water  
Boiling point: N/D  
pH: 4.6-5.0 (22°C)  
Vapor Density: N/D  
Vapor pressure: N/D  
Melting Point: 202-205°C

### **Section 5: First Aid Measures**

If in eye: 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.

No known antidote. 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: The acute oral LD<sub>50</sub> of Gibberellin A<sub>4</sub>,A<sub>7</sub> is > 5000mg/kg (rat)  
Dermal toxicity: LD<sub>50</sub>>2g/kg (rabbit)  
Inhalation toxicity: LC<sub>50</sub> between 2.7 and 52.9 mg/L/6h in rats  
Corrosiveness: No.  
Dermal Irritation: N/D  
Ocular irritation: Irritant. Moderately irritating in eye irritation tests in rabbits.

**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. 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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