

# LT BioSyn, Inc.

## Material Safety Data Sheet

MSDS # LTB- 008  
2/20/2002

### 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

Product name: **HappyGro**

Product use: Plant growth regulator

### Section 2 - Composition/Information on Ingredients

Active ingredient	%	CAS #
Kinetin	0.5%	525-79-1
Inert ingredients	99.5%	

**Note: This product contains no chemicals known to the state of California to cause cancer and birth defects or other reproductive harm (see California State Prop 65 list)**

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

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

CERCLA RATINGS(SCALE 0-3)

Clear colorless liquid

CERCLA RATINGS (SCALE 0-3)

Health = 1      Fire = 0      Reactivity = 1      Persistence = 0

Physical hazards: None

Health Hazards: Avoid eye and skin contact.

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

Appearance: Clear colorless liquid  
Solubility: complete soluble in water  
Boiling point: 212°F (100°C)  
Freezing point: < 32°F (0°C)  
pH: 3.06 (25°C)  
Density: 1.035 g/ml  
Viscosity: 1.662 Centistokes @ 20°C  
Vapor pressure: N/D  
Melting Point: N/A

**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 of Kinetin technical, active ingredient:

Acute Oral toxicity	LD <sub>50</sub>	>5000 mg/Kg (male and female rats)
Acute Dermal toxicity:	LD <sub>50</sub>	>2000 mg/Kg (male and female rats)
Acute Inhalation toxicity:	LD <sub>50</sub>	> 2.09 mg/L(male and female rats)
Primary Eye Irritation:		Mildly irritating (rabbit)
Primary Skin Irritation:		Non-irritation (rabbit)
Dermal Sensitization:		Not a contact sensitizer

**Section 8: Ecological Information**

**Environmental Fate:**

No information found

**Section 9: Special protection information**

- Ventilation: Not required under normal conditions
- Respirator: None required under normal conditions. Approved respirator to organic vapors if high concentrations are likely
- Skin: Wear rubber or neoprene gloves for transfer operations or where splashing may occur. If irritation occurs, impervious clothing and gloves should be worn.
- Eye protection: Chemical goggles or face shield
- Other protection: Apron

**Section 10: 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 11: Transport information**

DOT Proper shipping name:	Not applicable
DOT Hazard class:	This solution is not regulated by DOT
Packaging group:	Not applicable
Label/Placard required:	None
UN/NA No:	Not listed

**Section 12: 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

The information and recommendations contained herein are based on our best knowledge,

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