

LT BioSyn, Inc.

Material Safety Data Sheet

MSDS # LTB- 007
01/04/01

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
Product name: GA₃ 4%
Molecular formula: C₁₉H₂₂O₆
Molecular weight: 346.38
Product use: Plant Growth Regulator

Section 2 - Composition/Information on Ingredients

Material	% by weight	ACGIH Other	OSHA TLV	NTP/IARC/OSHA Carcinogen
Gibberellic Acid	4%	None established	None established	None established
Isopropyl Alcohol	96%	1,225 mg/m ³	980 mg/m ³	980 mg/m ³

Section 3: Physical properties

Physical state: Liquid
Flammability/
Flash point: 16.0°C
pH: 3.52 (25°C)
Specific gravity: 0.8067 (23°C)
Viscosity: 3.5332 mm²/s (cSt)

Section 4: Hazards Identification

Route(s) of entry Skin: No Inhalation: Yes Ingestion: No
Signs and Symptoms: Overexposure to isopropanol by inhalation or ingestion can cause flushing, headache, dizziness, mental depression, nausea, vomiting, drowsiness, anesthesia and coma. Vapor levels at or above 400 ppm for 3-5 minutes cause mild irritation to eyes, nose and throat. Dryness or cracking of skin may occur after prolonged or repeated exposure.

Section 5: First Aid Measures

Eyes/Skin: Remove from source of exposure. Flush with copious amounts of water. If irritation persists or signs of toxicity occur, seek medical attention.

Ingestion/
Inhalation: Remove from source of exposure. If signs of toxicity occur, seek medical attention.

Provide symptomatic/supportive care as necessary.

Section 6: Fire and Explosion data

Extinguishing Media: Use dry chemical, carbon dioxide, or foam. Water may be ineffective.
Procedures: Wear protective clothing and self-contained breathing apparatus.
Hazardous Combustion Products: None known.

Section 7: Toxicological information

Acute Oral LD₅₀ > 5000 mg/kg (rat)
Acute Inhalation LC₅₀ > 2.0 mg/L/4 hours (rat)
Acute Dermal Toxicity LD₅₀ > 2000 mg/kg (rabbit)
Acute Dermal Irritation Mild to moderate skin irritant
Acute Eye Irritation Mild to severe eye irritant
Dermal Sensitization Non-sensitizing

Section 8: Exposure Controls/Personal Protection

Field Application: Refer to product label.

Section 9: Disposal considerations

Disposal method: Do not contaminate waterways by cleaning of equipment or by disposal of wastes. Observe all federal, state, and local regulations.

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: Stability and Reactivity

Incompatible materials: Strong oxidizing agents.

Conditions to avoid: Avoid excessive heat and direct sunlight. Avoid exposure to open flames.

Hazardous decomposition: None known.

Hazardous polymerization: Material is not known to polymerize.

Section 11: Transport information

DOT Shipping Name: Plant Growth Regulator N.O.S.

Department of Transportation (DOT)/

International Air Transport Association (IATA):	Proper Shipping Name:	Isopropanol Solution
	Class:	3
	UN Number:	UN 1219
	Packing Group:	II

Hazard Classification (0-minimal, 1-slight, 2-moderate, 3-serious, 4-severe):

NFPA: Health-2 Fire-3 Reactivity-0

HMIS: Health-2 Fire-3 Reactivity-0

Section 12: 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.

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