

N- Large Premier™

Material Safety Data Sheet (rev.10/09)

SECTION I
PRODUCT IDENTIFICATION

NFPA HAZARD RATINGS	
HEALTH HAZARD 1	FIRE HAZARD 2
REACTIVITY 0	
Based on the National Fire Protection Association rating system (0 = Minimal; 1 = Slight; 2 = Moderate; 3 = High; 4 = Severe)	
SARA/ TITLE III HAZARD CATEGORIES	
Immediate (ACUTE) Health: Yes	Reactive Hazard: No
Delayed (Chronic) Health: No	Fire Hazard: Yes
Sudden Release of Pressure: No	
Company Name:	STOLLER ENTERPRISES, INC.
Address:	4001 W Sam Houston Pkwy N, Suite 100 Houston, Texas 77043-1226 U.S.A.
Emergency Phone Number:	Emergency Phone Number: CHEMTREC In the US and Canada call toll-free 1-800-424-9300 From other countries call collect +1-703-527-3887 1-800-539-5283 or 713-461-1493 for information.
Phone Number for Information:	
Chemical Family:	plant growth regulators
Chemical Name & Synonyms:	Gibberellic acid, Gibberellic acid, Gibberellin A ₃ , GA ₃
Formula:	Gibberellic Acid = C ₁₉ H ₂₂ O ₆
Trade name & Synonyms:	N- LARGE PREMIER

SECTION II
COMPOSITION/ INFORMATION ON INGREDIENTS

INGREDIENTS: Gibberellic acid	CAS# 77-06-5	Approx. % 6.26	TLV N/ E
INGREDIENTS: Gibberellic acid	RTECS No. LY8990000	Haz- Mat No	

SECTION III
HAZARD IDENTIFICATION

- A. EXPOSURE LIMITS:**
1. OSHA Permissible Exposure Limit (PEL): Not Established (N/ E)
 2. Threshold Limit Value (TLV): Not Established
 3. (LD₅₀): Oral (rat) 6300 mg/ kg
- B. CARCINOGEN OR POTENTIAL CARCINOGEN:**
- C. EFFECTS OF OVEREXPOSURE:**
1. **ACUTE:**
EYES: Contact with product may cause severe irritation, burning sensation, redness.
SKIN: May cause discomfort, skin irritation or rash unless treated promptly.
INHALATION: Exposure to low concentrations of vapors may cause sore throat, coughing, nausea and dizziness, which are temporary. Continued inhalation may result in headache, irritated respiratory tract and unconsciousness.
INGESTION: May cause malaise, nausea, gastrointestinal damage, low blood pressure and rapid heartbeat.
 2. **CHRONIC:** Expected slight toxicity hazard via skin contact. Repeated or prolonged exposure can produce respiratory tract severe irritation and skin irritation.

SECTION IV
FIRST-AID MEASURES

- A. EMERGENCY FIRST AID PROCEDURES:**
- EYES:** Immediately, holding eyelids apart, flush eyes with plenty of water for at least 15 minutes. Seek medical attention.
- SKIN:** Wash off product from affected area with plenty of soap and water. Remove contaminated clothing, taking care not to impregnate eyes. Seek medical attention if irritations occur.
- INHALATION:** Move patient to fresh air. Supplemental oxygen may be indicated if breathing is labored. Assure mucous does not obstruct airways. Call physician if breathing becomes difficult.
- INGESTION:** Immediately contact a physician or poison control center for treatment advice. Induce vomiting. Victim should drink milk, egg whites or large quantities of water. Never give anything by mouth to someone who is unconscious, having convulsions or unable to swallow.
- B. ADDITIONAL INFORMATION:** Note to physician: no specific antidote, perform symptomatic treatment.

SECTION V

FIRE AND EXPLOSION DATA

FLASH POINT:	68°C (155°F)		
FLAMMABLE LIMITS:		LEL: N/E	UEL: N/E
EXTINGUISHER MEDIA:	Use water spray, "alcohol" foam, CO2 or dry chemicals.		
SPECIAL FIRE FIGHTING PROCEDURES:	Firefighters must wear self- contained breathing apparatus (SCBA) and full protective equipment. Containers not yet in flames but exposed to intense heat should be cooled with water sprays.		
UNUSUAL FIRE AND EXPLOSION HAZARDS:	Not an explosion hazard. Rags or fabric wools soaked with any solvent may pose a fire hazard and should be stored in appropriate containers.		

SECTION VI

ACCIDENTAL RELEASE MEASURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED: In case of a large spill, immediately protect people evacuating all non- trained personnel and any general public. Isolate the area. Prevent exposure to all potential sources of ignition, such as lighted cigarettes, sparks, flames, etc. Such releases should be responded to by trained personnel only, using pre- planned procedures.

In the event of an incidental release, minimum Personal Protective Equipment must be worn: latex or rubber gloves and boots, goggles, or full face- shield and coveralls. It is necessary to contain spill into the smallest area possible by diking, scooping, enclosing, etc., using non- sparking tools; place recovered liquid into an appropriate container and label it. If liquid is absorbed onto dry carrier such as dirt or other absorbent material, then this material should be put in covered labeled containers and disposed of as a dry waste in accordance with Federal, State and Local hazardous waste disposal regulations.

SECTION VII

HANDLING AND STORAGE

All personnel who handle this material should be trained to work with it safely. Avoid contact with eyes, skin or clothing. Avoid breathing vapors or mists; use in a well- ventilated location. Wash thoroughly after handling.

Store in a cool, dry place, away from direct sunlight, sources of intense heat or where freezing is possible. Store away from food, feed, clothing materials and living quarters.

Whenever possible, place chemicals on secondary containers or diked area. Inspect all containers before storage, ensuring they are properly labeled and not damaged. Empty containers may contain residual liquid or vapors therefore, should be handled also with care; do not cut, drill, grind, weld or perform similar operations on or near containers. Keep containers tightly closed when not in use. Keep away from children and domestic animals.

SECTION VIII

SPECIAL PROTECTION / CONTROL MEASURES

RESPIRATORY PROTECTION: Wear a NIOSH approved respirator with vapors cartridge.

VENTILATION: General ventilation is usually adequate.

LOCAL EXHAUST: Local exhaust as well as ventilation fans could be used for safer, comfortable working conditions.

PROTECTIVE GLOVES: Wearing of protective gloves is recommended, made of impervious materials such as nitrile, latex, vinyl, etc.

EYE PROTECTION: Safety glasses or goggles should be worn in any type of operation with chemicals.

OTHER SPECIAL CLOTHING/ EQUIPMENT: Long sleeved shirt and long pants, as well as protective shoes should be worn as a good safety practice.

WORK/ HYGIENIC PRACTICES: As a general rule, do not eat, drink, smoke nor chew gum or tobacco when handling chemicals. Wash thoroughly after handling this product.

SECTION IX

PHYSICAL AND CHEMICAL CHARACTERISTICS

BOILING POINT:	160°C (320°F)	VAPOR PRESSURE (mm/Hg):	0.7 mm @ 20°C (68°F)
MELTING POINT:	N/ E	VAPOR DENSITY (air = 1):	4.27
SPECIFIC GRAVITY:	1.08 - 1.1	REACTIVITY IN WATER:	N/ A
SOLUBILITY IN WATER:	Soluble 100%	EVAPORATION RATE:	0.04
APPEARANCE AND ODOR:	Clear to light- amber liquid with a characteristic, pungent odor.		
pH:	3.5 - 4.0		

SECTION X

PHYSICAL HAZARDS (REACTIVITY DATA)

STABILITY:	Stable: Yes	Unstable:
CONDITIONS TO AVOID:	Product would burn if exposed to fire conditions.	
INCOMPATIBILITY, MATERIALS TO AVOID:	May react with strong oxidizers.	
HAZARDOUS DECOMPOSITION PRODUCTS:	Toxic fumes if involved in fire conditions.	
HAZARDOUS POLYMERIZATION:	Will not occur.	
MAY OCCUR:	WILL NOT OCCUR: X	

SECTION XI**TOXICOLOGICAL INFORMATION****A. TOXICITY DATA:**

1. ORAL LD50: Gibberellic acid = (rat) 6300 mg/ kg
2. DERMAL LD50: Gibberellic acid = (rabbit) = 2000 mg/ kg

B. CARCINOGENICITY: No component listed as a carcinogenic by IARC, NTP, OSHA, CAL/ OSHA and ACGIH. Solvent is listed as EPA- D.

C. MUTAGENICITY: The components of this product are not reported to produce mutagenic effects in humans.

D. REPRODUCTIVE TOXICITY: The components of this product are not reported to produce reproductive toxicity effects in humans.

SECTION XII**ENVIRONMENTAL EFFECTS DATA**

Product is biodegradable. The available data on this material does not indicate any undue hazard to the environment under anticipated use and storage. All work practices must be aimed at preventing environmental contamination. Any waste due to spillage or leakage should be contained and disposed of accordingly, see above under Accidental Release Measures. Due to its growth hormone nature, may cause eutrophication if discharged in bodies of water.

To aid our customers in complying with regulatory requirements, SARA Title III hazard categories for this product are indicated in Section I. If the word "YES" appears next to any category, this product may be reportable by you under the requirements of 40 CFR Part 370. Please consult those regulations for details.

SECTION XIII**DISPOSAL CONSIDERATIONS**

WASTE DISPOSAL METHODS: Waste disposal must be done following all Federal, State and Local regulations. This product, if unaltered by use, may be disposed of by treatment at a permitted facility or as advised by your local waste regulatory authority.

EMPTY CONTAINERS: Empty containers may have residues (liquid and/ or fumes) thus, handle them with care. Do not cut, drill, grind, weld or perform similar operations on or near containers, nor expose them to intense heat, flames, sparks, static electricity or other sources of ignition; they may ignite and cause bodily injury or even death. Dispose properly accordingly to regulations on empty containers in your locality or make available to a container reconditioning facility for recycling.

SECTION XIV**TRANSPORTATION DATA**

DOT HAZARD CLASS: N/ A

PLACARD: N/ A

USDOT Proper Shipping Name: Not Regulated.

(Trade name: N- LARGE PREMIER)

IATA Proper Shipping Name: Not Regulated.

(Trade name: N- LARGE PREMIER)

IMO Proper Shipping Name: Not Regulated.

(Trade name: N- LARGE PREMIER)

Emergency Response Guide Number: 129

SECTION XV**REGULATORY INFORMATION**

U. S. SARA REPORTING REQUIREMENTS: This product might be subject to the reporting requirements of Sections 302, 304 and 313 of Title III of the Superfund Amendments and Reauthorization Act.

U.S. SARA 302 (40 CFR 355, Appendix A): NO

U.S. SARA 304 (40 CFR Table 302.4): NO

U.S. SARA 311/312 (40 CFR 370): NO

U.S. SARA 313 (40 CFR 372.65): NO

U.S. SARA THRESHOLD PLANNING QUANTITY: NO

U.S. CERCLA REPORTABLE QUANTITY (RQ): NO

U.S. TSCA INVENTORY STATUS: The components of this material are listed on the TSCA Inventory.

CANADIAN DSL INVENTORY: The components of this material are listed on the DSL Inventory.

If this product contains components designated as CERCLA Reportable Quantity (RQ) Substance, Section 103 of CERCLA requires the "person in charge" of a facility or vessel, as soon as he or she has knowledge of a release of a hazardous substance in an amount equal to or greater than an RQ, to report the release immediately to the National Response Center in Washington, DC. The NRC number is 1-800-424-8802, or 1 (202) 267-2675.

SECTION XVI**OTHER INFORMATION**

Date of MSDS Revision: September 21, 2009. Supersedes all previous versions, including the one from June 4, 2009.

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