

N- LARGE™ 20 SP

Material Safety Data Sheet (rev.01/09/11)

SECTION I
PRODUCT IDENTIFICATION
NFPA HAZARD RATINGS

 HEALTH HAZARD 1 FIRE HAZARD 0 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: No Reactive Hazard: None
 Delayed (Chronic) Health: See Sectio Fire Hazard: No Sudden Release of Pressure: No

Company Name: STOLLER USA, INC.
 Address: 4001 W. Sam Houston Pkwy N, Suite 100
 Houston, Texas 77043-1226 U.S.A.
 Emergency Phone Number: CHEMTREC: In the U.S. and Canada call Toll-free: 1(800)424-9300
 From other countries call collect: 1(703)527-3887
 Phone Number for Information: 1(800)539-5283 or 1(713)461-1493
 Chemical Family: plant growth regulator and plant nutrients
 Chemical Name & Synonyms: Gibberellins: Gibberellic acid, Gibberellin A₃
 Formula: Gibberellic Acid = C₁₉H₂₂O₆
 Trade name & Synonyms: N- LARGE™ 20 SP

SECTION II
COMPOSITION/ INFORMATION ON INGREDIENTS

INGREDIENTS:	CAS#	Approx. %	TLV
Gibberellic acid	77-06-5	20	N/ L
INGREDIENTS:	RTECS No.		Haz- Mat
Gibberellic acid	LY8990000		

SECTION III
HAZARD IDENTIFICATION

A. EXPOSURE LIMITS:
 1. OSHA Permissible Exposure Limit (PEL): NOT ESTABLISHED
 2. Threshold Limit Value (TLV): NOT ESTABLISHED

B. CARCINOGEN OR POTENTIAL CARCINOGEN:
 1. NPT: Not Listed
 2. IARC: N/ L
 3. OSHA: N/ L
 4. ACGIH: N/ L

C. EFFECTS OF OVEREXPOSURE:
 1. **HEALTH CONSIDERATIONS:** Irritating to eyes, respiratory tracts and skin.
 TARGET ORGANS: Eyes, central nervous system, reproductive system, kidneys, possibly skin.
 SPECIAL TARGET ORGANS EFFECTS: Gibberellic acid is a plant growth hormone that has been reported to have estrogenic and androgenic activity in animals. In reproduction studies in rats, no adverse effects were noted following large dosages (1000 mg/ kg/ day). Repeated exposure at high concentrations (2.5% or greater in drinking water) produced reproductive effects in rats.

SECTION IV
FIRST-AID MEASURES

A. EMERGENCY FIRST AID PROCEDURES:
EYES: IMMEDIATELY flush with a directed stream of water for at least 15 minutes forcibly holding eyelids apart to ensure complete irrigation of all eye and lid tissue. GET MEDICAL ATTENTION.
SKIN: Wash with soap and water. Wash clothing before reuse. IF IRRITATION OCCURS, GET MEDICAL ATTENTION.
INHALATION: If symptoms develop, get person out of contaminated area to fresh air.
INGESTION: NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON. Have patient drink several glasses of water then induce vomiting by having patient tickle back of throat with finger. Keep airways clear. GET MEDICAL ATTENTION IMMEDIATELY.

B. ANIMAL TOXICITY DATA:
 Oral LD₅₀ (rat):>5000 mg/ kg
 Inhalation LC₅₀(rat):>6.57 mg/ lt/4 hours
 Dermal LD₅₀ (rabbit):>2000 mg/ kg

SECTION V**FIRE AND EXPLOSION DATA**

FLASH POINT:	NA		
FLAMMABLE LIMITS:	NA	LEL: N/A	UEL: N/A
EXTINGUISHER MEDIA:	Use dry chemical, carbon dioxide, water spray or foam.		
SPECIAL FIRE FIGHTING PROCEDURES:	Wear protective clothing and self-contained breathing apparatus		
UNUSUAL FIRE AND EXPLOSION HAZARDS:	None known.		
HAZARDOUS DECOMPOSITION PRODUCTS:	NA		

SECTION VI**ACCIDENTAL RELEASE MEASURES**

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED: Collect and dispose of as solid waste. Ventilate and wash area.

SECTION VII**HANDLING AND STORAGE**

Normal warehouse storage is satisfactory. Avoid excessively high temperatures and direct sunlight while stored. Wash thoroughly after handling.
Keep containers closed and dry. Avoid unnecessary contact with skin or clothing. Wash hands thoroughly after using.

SECTION VIII**SPECIAL PROTECTION / CONTROL MEASURES**

RESPIRATORY PROTECTION: As required by conditions. Use an OSHA or NIOSH approved respirator if required.

VENTILATION: General ventilation is usually adequate. Local exhaust should be used if needed for safe, comfortable working conditions.

SECTION IX**PHYSICAL AND CHEMICAL CHARACTERISTICS**

BOILING POINT:	N/ A	VAPOR PRESSURE (mm/Hg):	N/ A
MELTING POINT:	N/ A	VAPOR DENSITY (air = 1):	NA
SPECIFIC GRAVITY:	N/ A	REACTIVITY IN WATER:	N/ A
SOLUBILITY IN WATER:	Soluble	EVAPORATION RATE:	NA
APPEARANCE AND ODOR:	Dry granular powder.		
PERCENT VOLATILE BY VOLUME:		N/ A	
pH:	(1% solution) 6.4		
FREEZING POINT:	NA		
MOLECULAR WEIGHT:	N/ A		

SECTION X**PHYSICAL HAZARDS (REACTIVITY DATA)**

STABILITY:	Stable: Yes	Unstable:
CONDITIONS TO AVOID:	Avoid excessive heat.	
INCOMPATIBILITY, MATERIALS TO AVOID:	None Determined.	
HAZARDOUS DECOMPOSITION PRODUCTS:	CO ₂ , and CO may evolve during burning	
MAY OCCUR:	WILL NOT OCCUR: X	

SECTION XI**TOXICOLOGICAL INFORMATION**

- A. **TOXICITY DATA:**
- B. **CARCINOGENICITY:**
- C. **MUTAGENICITY:**
- D. **REPRODUCTIVE TOXICITY:**

SECTION XII**ENVIRONMENTAL EFFECTS DATA**

Available data on the raw materials does not indicate an undue hazard to the environment under anticipated conditions of storage and use. Any waste due to spillage or leakage should be contained and disposed of as a Pesticide (see above under Waste Disposal Methods). Due to its hormonal value, may contribute to eutrophication 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: Dispose of product in compliance with all federal, state and local laws concerning health and environment.

SECTION XIV**TRANSPORTATION DATA**

DOT HAZARD CLASS: Not Regulated
PLACARD: None
USDOT Proper Shipping Name: Plant Growth Regulator N.O.S.
IATA Proper Shipping Name: Not Regulated
IMO Proper Shipping Name: Not Regulated