

X- Cyte

Material Safety Data Sheet (rev.01/05)

**SECTION I**
**PRODUCT IDENTIFICATION**

	<b>NFPA HAZARD RATINGS</b>
	HEALTH HAZARD 0      FIRE HAZARD 0      REACTIVITY 0
	<b>SARA/ TITLE III HAZARD CATEGORIES</b>
	Immediate (ACUTE) Health: NO      Reactive Hazard: NO
	Delayed (Chronic) Health: NO      Fire Hazard: NO      Sudden Release of Pressure: NO
Company Name:	STOLLER USA, INC.
Address:	4001 W. Sam Houston Parkway, 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:	Cytokinines
Chemical Name & Synonyms:	None
Formula:	Proprietary
Trade name & Synonyms:	X- CYTE™ Plant Growth Regulator

**SECTION II**
**PHYSICAL AND CHEMICAL CHARACTERISTICS**

<b>INGREDIENTS:</b>	<b>CAS#</b>	<b>Approx. %</b>	<b>TLV</b>
Kinetin	525-79-1	0.04	

**SECTION III**
**PHYSICAL AND CHEMICAL CHARACTERISTICS**

<b>BOILING POINT:</b>	100°C (212°F)	<b>VAPOR PRESSURE (mm/ Hg):</b>	
<b>MELTING POINT:</b>	N/ A	<b>VAPOR DENSITY (air = 1):</b>	Not known
<b>SPECIFIC GRAVITY:</b>	1.02	<b>REACTIVITY IN WATER:</b>	N/ A
<b>SOLUBILITY IN WATER:</b>	>99%	<b>EVAPORATION RATE:</b>	Similar to water.
<b>APPEARANCE AND ODOR:</b>	Clear light- yellow liquid with a pleasant, neutral odor.		

**SECTION IV**
**FIRE AND EXPLOSION DATA**

<b>FLASH POINT:</b>	Not Applicable. Product is non- flammable.		
<b>FLAMMABLE LIMITS:</b>	Not Applicable (N/ A)	<b>LEL:</b>	<b>UEL:</b>
<b>EXTINGUISHER MEDIA:</b>	Use all means adequate to fight surrounding fire.		
<b>SPECIAL FIRE FIGHTING PROCEDURES:</b>	Firefighters should wear self- contained breathing apparatus.		
<b>UNUSUAL FIRE AND EXPLOSION HAZARDS:</b>	None.		

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

<b>STABILITY:</b>	Stable: Yes	Unstable:
<b>CONDITIONS TO AVOID:</b>	N/A	
<b>INCOMPATIBILITY, MATERIALS TO AVOID:</b>	N/A	
<b>HAZARDOUS DECOMPOSITION PRODUCTS:</b>	N/A	
<b>HAZARDOUS POLYMERIZATION:</b>	N/A	
<b>MAY OCCUR:</b>		
<b>WILL NOT OCCUR: X</b>		

**SECTION VI****HEALTH HAZARDS**

- A. EXPOSURE LIMITS:**
1. OSHA Permissible Exposure Limit (PEL): N/A
  2. Threshold Limit Value (TLV): N/A
- B. CARCINOGEN OR POTENTIAL CARCINOGEN:**
1. NPT: N/A
  2. IARC: N/A
  3. OSHA: N/A
- C. EFFECTS OF OVEREXPOSURE:**
1. **ACUTE:**  
**EYES:** Potential mild irritation  
**SKIN:** Potential mild irritation  
**INHALATION:** Potential mild irritation  
**INGESTION:** Not known. The LD<sub>50</sub> in acute oral toxicity studies was greater than 4,000 mg/ Kg.
  2. **CHRONIC:** Expected toxicity hazard none to slight.
- D. EMERGENCY FIRST AID PROCEDURES:**
- EYES:** Flush with clear running water for at least 15 minutes.  
**SKIN:** Wash with plenty of soap and water.  
**INHALATION:** Remove victim to fresh air.  
**INGESTION:** Call a physician if large quantities are ingested.
- E. ANIMAL TOXICITY DATA:** N/A
- F. ADDITIONAL INFORMATION:** Note to Physician: Symptomatic treatment.

**SECTION VII****SPECIAL PRECAUTIONS & SPILL/ LEAK PROCEDURES**

- HANDLING AND STORAGE:** Keep lid tightly closed. Store in dry area, above freezing and below 38°C (100°F), out of direct sunlight. Keep out of reach of children. Mix well before using.
- STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED:** Recover as much as possible by scooping, then use an absorbent inert to capture residues and dispose of as a solid waste.
- WASTE DISPOSAL METHODS:** Follow all applicable Federal, State and Local regulations.

**SECTION VIII****SPECIAL PROTECTION / CONTROL MEASURES**

- RESPIRATORY PROTECTION:** Wear a NIOSH / OSHA approved respirator if working conditions require to do so.
- VENTILATION:** Provide general or local exhaust ventilation.
- SPECIAL VENTILATION:** Not necessary if working in open spaces or normally well-ventilated area.
- PROTECTIVE GLOVES:** Wear protective gloves impervious to this material (latex, rubber, etc.).
- EYE PROTECTION:** Use chemical goggles or safety glasses. Use faceshield when there is any likelihood of splashes.
- OTHER SPECIAL CLOTHING/ EQUIPMENT:** Wearing of protective clothing (coveralls or long sleeved shirt and pants) impervious to this material is recommended. Eye wash fountain should be located in immediate work area.
- WORK/ HYGIENIC PRACTICES:** As a general rule, do not eat, drink, smoke, chew gum or tobacco when handling chemicals. Wash hands thoroughly after handling this product.

**SECTION IX****ENVIRONMENTAL EFFECTS DATA**

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The available data on this plant nutrient material does not indicate any undue hazard to the environment under anticipated use and storage. 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 growth enhancement value, may contribute to eutrophication in bodies of water.

**SECTION X****TRANSPORTATION DATA**

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**PROPER SHIPPING NAME:** N/ A

**DOT HAZARD CLASS:** Non- Regulated.

**PLACARD:** N/ A

**USDOT Proper Shipping Name:** N/ A

**IATA Proper Shipping Name:** N/ A

**IMO Proper Shipping Name:** N/ A

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