

1. Product and Company Identification

Product Code:	Z-XCYTE	
Product Name:	X-CYTE	
Trade Name:	X-CYTE	
Company Name:	Stoller	Phone Number:
	9090 Katy Freeway	1 (713)461-1493
	Suite 400	
	Houston, TX 77024	
Web site address:	www.stollerusa.com	
Email address:	compliance@stollerusa.com	
Emergency Contact:	Chemtrec, In the US and Canada call	1 (800)424-9300
	Chemtrec, From other countries call	+1 (703)527-5283
Information:		1 (800)539-5283
Intended Use:	For agricultural use only	
Synonyms:	Kinetin = N6-furfuryladenine; 6-furfurylaminopurine	

2. Hazards Identification

Acute Toxicity: Oral, Category 4
Serious Eye Damage/Eye Irritation, Category 2B
Acute Toxicity: Skin, Category 4
Skin Corrosion/Irritation, Category 2



GHS Signal Word:	Warning
GHS Hazard Phrases:	H302 - Harmful if swallowed. H312 - Harmful in contact with skin. H315 - Causes skin irritation. H320 - Causes eye irritation.
GHS Precautionary Phrases:	P264 - Wash hands thoroughly after handling. P270 - Do not eat, drink or smoke when using this product. P280 - Wear protective gloves/protective clothing/eye protection/face protection.
GHS Response Phrases:	P301+312 - IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell. P302+352 - IF ON SKIN: Wash with plenty of soap and water. P305+351+338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P312 - Call a POISON CENTER or doctor/physician if you feel unwell. P321 - Specific treatment see ... on this label. P330 - Rinse mouth. P332+313 - If skin irritation occurs, get medical advice/attention. P337+313 - If eye irritation persists, get medical advice/attention. P362+364 - Take off contaminated clothing and wash it before reuse.
GHS Storage and Disposal Phrases:	P501 - Dispose of contents/container to permitted waste facility.

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Potential Health Effects (Acute and Chronic):	Chronic: Expected toxicity hazard: none to slight Repeated or prolonged exposure can produce headaches.
Inhalation:	Prolonged exposure to low concentrations of vapors may cause sore throat and nasal passages, headache, nausea and dizziness, which are temporary.
Skin Contact:	May cause discomfort, skin irritation or rash unless treated promptly.
Eye Contact:	Contact with product may cause irritation, redness.
Ingestion:	May cause malaise, nausea, stomachache, vomiting, diarrhea. Large doses may cause gastrointestinal discomfort.

3. Composition/Information on Ingredients

CAS #	Components (Chemical Name)	Concentration	RTECS #
525-79-1	Cytokinin, as Kinetin (KIN)	~ 0.04 %	AU6270000

4. First Aid Measures

Emergency and First Aid Procedures:	Victims of severe exposure to chemicals must be taken to health providing centers for medical attention. If necessary, also rescuers must be attended. Always bring with victim a copy of label and SDS of product to health professional.
In Case of Inhalation:	Remove victim from exposure to fresh air. Supplemental oxygen may be needed if patient has difficulty breathing. Assure mucous does not obstruct airway. Seek medical attention.
In Case of Skin Contact:	Take off clothing. Rinse skin immediately with plenty of water for 15 to 20 minutes. Call a poison control center or doctor for treatment advice.
In Case of Eye Contact:	Hold eyes open and rinse slowly and gently with water for 15 to 20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eyes. Call a poison control center or doctor for treatment advice.
In Case of Ingestion:	Immediately contact a physician or poison control center for treatment advice. Victim should drink milk, egg whites or large quantities of water and be induced to vomiting. Never give anything by mouth to someone who is unconscious, having convulsions or unable to swallow.
Note to Physician:	Treat symptomatically and supportively.

5. Fire Fighting Measures

Flash Pt:	N.A.
Explosive Limits:	LEL: N.A. UEL: N.A.
Autoignition Pt:	N.A.
Suitable Extinguishing Media:	Use water spray, dry chemical, carbon dioxide, or appropriate foam. Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
Unsuitable Extinguishing Media:	None known.
Fire Fighting Instructions:	As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear.
Flammable Properties and Hazards:	Non-flammable.
Hazardous Combustion Products:	Non-combustible.

6. Accidental Release Measures

Protective Precautions, Protective Equipment and Emergency Procedures: In case of a large spill, protect people by clearing and isolating the affected area. Such releases should be responded to by trained personnel using pre-planned procedures. In the event of an incidental release, minimum Personal Protective Equipment must be worn: latex or rubber gloves and rubber boots, goggles or full face-shield and coveralls or long sleeved shirt and pants.

Environmental Precautions: Do not allow to enter drains or waterways.

Steps To Be Taken In Case Material Is Released Or Spilled: It is necessary to contain the spill into the smallest area possible by diking, scooping, etc., and place recovered liquid into an appropriate container. If liquid is absorbed onto a dry carrier such as soil or absorbant material, then this material should be put in covered, labeled containers and disposed of as dry waste in accordance with Federal, State, and Local waste disposal regulations.

7. Handling and Storage

Precautions To Be Taken in Handling: Avoid breathing vapor or spray mist. Avoid contact with eyes, skin, or clothing. Users should wash hands before eating, drinking, chewing gum, using tobacco, or using the toilet. Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application. It is a violation of Federal law to use this product in a manner inconsistent with its labeling. For any requirements specific to your State or Tribe, consult the agency responsibly for pesticide regulation.

Precautions To Be Taken in Storing: Inspect all incoming containers before storage to ensure all are properly labeled and not damaged. Keep containers tightly closed when not in use. Keep away from reach of children and pets. Whenever possible, place chemicals on secondary containers or diked area. Store in a cool place out of direct sunlight. Do not contaminate water, food or feed by storage or disposal. Empty containers may contain residual liquid or vapors and therefore should be handled the same as full containers.

Other Precautions: Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR part 170.
Do not allow worker entry into treated areas during the restricted entry interval (REI) of 4 hours.

8. Exposure Controls/Personal Protection

CAS #	Partial Chemical Name	OSHA TWA	ACGIH TWA	Other Limits
525-79-1	Cytokinin, as Kinetin (KIN)	No data.	TLV: Not Established	No data.

Recommended Exposure Limits: No occupational exposure limits have been established for this product.

Respiratory Equipment (Specify Type): A respiratory protection program that meets OSHA's 29 CFR 1910.134 and ANSI Z88.2 requirements or European Standard EN 149 must be followed whenever workplace conditions warrant respirator use.

Eye Protection: Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA's eye and face protection regulations in 29 CFR 1910.133 or European Standard EN166.

Protective Gloves: Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

Waterproof gloves required for this product.

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Supersedes Revision: 03/04/2016

	This recommendation is advisory only and must be evaluated by an industrial hygienist and safety officer familiar with the specific situation of anticipated use by our customers.
Other Protective Clothing:	Wear long sleeve shirt and long pants, waterproof gloves and shoes plus socks.
Engineering Controls (Ventilation etc.):	General ventilation is usually adequate. Local exhaust should be used if needed for safe, comfortable working conditions. An eye bath, safety shower and washing facilities should be readily available.
Work/Hygienic/Maintenance Practices:	Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin, eyes and clothing. Users should wash hands before eating, drinking, chewing gum, using tobacco, or using the toilet. Remove all dirty or contaminated clothing and wash it before reusing.
Environmental Exposure Controls:	Do not apply directly to water, to areas where surface water is present, or to intertidal areas below the mean high-water mark. Do not contaminate water by cleaning of equipment or disposal of equipment wash waters. Exposed treated seed may be hazardous to birds and other wildlife. Treat only those seeds needed for immediate use and planting. Do not store excess treated seed beyond planting time.

9. Physical and Chemical Properties

Physical States:	[] Gas [X] Liquid [] Solid
Appearance and Odor:	Translucent, clear to light yellow color. Neutral, proprietary odor.
pH:	< 2
Melting Point:	N.A.
Boiling Point:	N.E.
Flash Pt:	N.A.
Evaporation Rate:	No data.
Flammability (solid, gas):	Non-flammable.
Explosive Limits:	LEL: N.A. UEL: N.A.
Vapor Pressure (vs. Air or mm Hg):	No data.
Vapor Density (vs. Air = 1):	No data.
Specific Gravity (Water = 1):	0.99 - 1.01
Density:	8.4 LB/GA
Solubility in Water:	Soluble
Saturated Vapor Concentration:	N.E.
Octanol/Water Partition Coefficient:	N.E.
Percent Volatile:	N.A.
Autoignition Pt:	N.A.
Decomposition Temperature:	N.E.
Viscosity:	N.E.

10. Stability and Reactivity

Reactivity: Not applicable.
Stability: Unstable [] Stable [X]
Conditions To Avoid - Instability: Not known.
Incompatibility - Materials To Avoid: Not known.
Hazardous Decomposition or Byproducts: Not applicable.
Possibility of Hazardous Reactions: Will occur [] Will not occur [X]
Conditions To Avoid - Hazardous Reactions: Not applicable.

11. Toxicological Information

Toxicological Information: Mutagenicity: This product has not been investigated for mutagenic effects.
 Embryotoxicity: This product has not been investigated for embryotoxic effects.
 Teratogenicity: This product has not been investigated for teratogenic effects.
 Reproductive Toxicity: This product has not been investigated for toxic reproductive effects.

Irritation or Corrosion: No data available.
Symptoms related to Toxicological Characteristics: No data available.
Sensitization: No data available.
Chronic Toxicological Effects: The toxicological properties of this material have not been fully investigated.
Carcinogenicity/Other Information: The carcinogenic properties of this product have not been thoroughly investigated. No component is listed as a carcinogenic by IARC, NTP, OSHA, and ACGIH.
Carcinogenicity: NTP? No IARC Monographs? No OSHA Regulated? No

CAS #	Components (Chemical Name)	NTP	IARC	ACGIH	OSHA
525-79-1	Cytokinin, as Kinetin (KIN)	n.a.	n.a.	n.a.	n.a.

12. Ecological Information

General Ecological Information: 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 Section 6 "Accidental Release Measures." Due to its growth hormone nature, may cause eutrophication if discharged in bodies of water. Exposed treated seed may be hazardous to birds and other wildlife.

To aid our customers in complying with regulatory requirements, SARA Title III hazard categories for this product are indicated in Section 15. If the word "YES" is marked 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.

Results of PBT and vPvB assessment: No data available.
Persistence and No data available.

Degradability:
Bioaccumulative Potential: No data available.
Mobility in Soil: No data available.
Other adverse effects: No data available.

13. Disposal Considerations

Waste Disposal Method: PRODUCT: Waste resulting from the use of this product may be disposed of on site or at an approved waste disposal facility. 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. Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste.
CONTAINER: Triple rinse (or equivalent). Offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or by incineration, or if allowed by state and local authorities, by burning. If burned, stay out of smoke.

14. Transport Information

LAND TRANSPORT (US DOT):

DOT Proper Shipping Name: Corrosive liquids, n.o.s.
DOT Hazard Class: 8 CORROSIVE
UN/NA Number: UN1760 **Packing Group:** II



LAND TRANSPORT (European ADR/RID):

ADR/RID Shipping Name: Corrosive liquids, n.o.s.
UN Number: 1760 **Packing Group:** II
Hazard Class: 8 - CORROSIVE

MARINE TRANSPORT (IMDG/IMO):

IMDG/IMO Shipping Name: Corrosive liquid, n.o.s.
UN Number: 1760 **Packing Group:** II
Hazard Class: 8 - CORROSIVE
IMDG EMS Page: **IMDG MFAG Number:**
Marine Pollutant: No

AIR TRANSPORT (ICAO/IATA):

ICAO/IATA Shipping Name: Corrosive liquid, n.o.s.

Additional Transport Information: Placards / Markings: N.A.
Emergency Response Guide Number: N.A.
Reportable Quantity: N.A.

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15. Regulatory Information

EPA SARA (Superfund Amendments and Reauthorization Act of 1986) Lists

CAS #	Components (Chemical Name)	S. 302 (EHS)	S. 304 RQ	S. 313 (TRI)
525-79-1	Cytokinin, as Kinetin (KIN)	No	No	No

This material meets the EPA 'Hazard Categories' defined for SARA Title III Sections 311/312 as indicated:

<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Explosive	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Acute toxicity (any route of exposure)
<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Flammable (gases, aerosols, liquid, or solid)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Skin Corrosion or Irritation
<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Oxidizer (liquid, solid or gas)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Serious eye damage or eye irritation
<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Self-reactive	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Respiratory or Skin Sensitization
<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Pyrophoric (liquid or solid)	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Germ cell mutagenicity
<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Pyrophoric gas	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Carcinogenicity
<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Self-heating	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Reproductive toxicity
<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Organic peroxide	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Specific target organ toxicity (single or repeated exposure)
<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Corrosive to metal	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Aspiration Hazard
<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Gas under pressure (compressed gas)	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Simple Asphyxiant
<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No In contact with water emits flammable gas	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (Health) Hazard Not Otherwise Classified (HNOC)
<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Combustible Dust	
<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (Physical) Hazard Not Otherwise Classified (HNOC)	

CAS #	Components (Chemical Name)	Other US EPA or State Lists
525-79-1	Cytokinin, as Kinetin (KIN)	CAA HAP,ODC: No; CWA NPDES: No; TSCA: Yes - Inventory; CA PROP.65: No; CA TAC, Title 8: No

CAS #	Components (Chemical Name)	International Regulatory Lists
525-79-1	Cytokinin, as Kinetin (KIN)	Canadian DSL: Yes; Canadian NDSL: No; Mexico INSQ: No; REACH: Yes - (P)

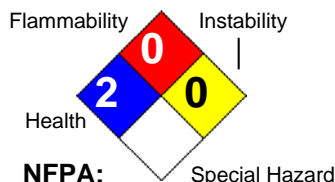
Regulatory Information Statement:

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.

16. Other Information

Revision Date: 10/31/2018

Hazard Rating System:



Additional Information About This Product: No data available.

Company Policy or Disclaimer:

Stoller believes the information contained in this Safety Data Sheet is accurate based on the information provided by reputable suppliers of our raw materials. However, Stoller does not guarantee their accuracy or completeness. The information contained herein is furnished without warranty of any kind, whether expressed or implied, as to the safety of the goods, the merchantability of the goods, or the fitness of the goods for any particular purpose. Users should consider these data only as a supplement to other information gathered by them and must make independent determination of suitability and completeness of information from all sources to assure proper use and disposal of these materials and the safety and health of employees and customers. Stoller assumes no responsibility for results obtained or for incidental or consequential damages arising from the use of goods and data.