

according to Regulation (EC) No. 1907/2006 as amended by (EC) No. 1272/2008

## Section 1. Identification of the Substance/Mixture and of the Company/Undertaking

- 1.1 Product Code:** Z-XCYTE  
**Product Name:** X-CYTE  
**Trade Name:** X-CYTE  
**Synonyms:** Kinetin = N6-furfuryladenine; 6-furfurylaminopurine
- 1.2 Relevant identified uses of the substance or mixture and uses advised against:**  
**Relevant identified uses:** For agricultural use only
- 1.3 Details of the Supplier of the Safety Data Sheet:**
- Company Name:** Stoller Enterprises  
284 Industrial Drive  
Regina, SK, Canada
- Web site address:** <http://stollerenterprises.ca/>
- Information:** For agricultural use only 1 (800)539-5283
- 1.4 Emergency telephone number:**
- Emergency Contact:** CHEMTREC, In the US and Canada call 1 (800)424-9300  
CHEMTREC, From other countries call +1 (703)527-3887

## Section 2. Hazards Identification

- 2.1 Classification of the Substance or Mixture:**  
**Acute Toxicity: Oral, Category 5**  
**Serious Eye Damage/Eye Irritation, Category 2B**  
**Acute Toxicity: Skin, Category 5**
- 2.2 Label Elements:**
- GHS Signal Word:** Warning
- GHS Hazard Phrases:**  
H303 - May be harmful if swallowed.  
H313 - May be harmful in contact with skin.  
H320 - Causes eye irritation.
- GHS Precaution Phrases:**  
P264 - Wash hands thoroughly after handling.
- GHS Response Phrases:**  
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.  
P337+313 - If eye irritation persists, get medical advice/attention.
- GHS Storage and Disposal Phrases:**  
No phrases apply.

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

### Section 3. Composition/Information on Ingredients

| CAS #    | Components (Chemical Name)/ REACH Registration No. | Concentration | EC No./ EC Index No. | GHS Classification |
|----------|--|---------------|----------------------|--------------------|
| 525-79-1 | Kinetin (KT)                                       | ~ 0.04 %      | 208-382-2<br>NA      | Mutagen 2: H341    |

### Section 4. First Aid Measures

- 4.1 Description of First Aid Measures:** 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 for the Doctor:** Treat symptomatically and supportively.

### Section 5. Fire Fighting Measures

- 5.1 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.
- 5.2 Flammable Properties and Hazards:** Non-flammable.
- Hazardous Combustion Products:** Non-combustible.
- Flash Pt:** N.A.
- Explosive Limits:** LEL: N.A. UEL: N.A.
- Autoignition Pt:** N.A.
- 5.3 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.

## Section 6. Accidental Release Measures

- 6.1 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.
- 6.2 Environmental Precautions:** Do not allow to enter drains or waterways.
- 6.3 Methods and Material For Containment and Cleaning Up:** 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.

## Section 7. Handling and Storage

- 7.1 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.
- 7.2 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.

## Section 8. Exposure Controls/Personal Protection

**8.1 Exposure Parameters:**

| CAS #    | Chemical Name | Jurisdiction | Recommended Exposure Limits | Notations |
|----------|---------------|--------------|-----------------------------|-----------|
| 525-79-1 | Kinetin (KT)  | ACGIH TLV    | TLV: Not Established        |           |

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

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| <b>8.2 Exposure Controls:</b>                         |  |
| <b>8.2.1 Engineering Controls (Ventilation etc.):</b> | 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.   |
| <b>8.2.2 Personal protection equipment:</b>           |  |
| <b>Eye Protection:</b>                                | 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.  |
| <b>Protective Gloves:</b>                             | 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.<br><br>Waterproof gloves required for this product.<br><br>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. |
| <b>Other Protective Clothing:</b>                     | Wear long sleeve shirt and long pants, waterproof gloves and shoes plus socks.   |
| <b>Respiratory Equipment (Specify Type):</b>          | 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.  |
| <b>Work/Hygienic/Maintenance Practices:</b>           | 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.   |
| <b>8.2.3 Environmental Exposure Controls:</b>         | 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.  |

**Section 9. Physical and Chemical Properties**

|  |   |
|--|---|
| <b>9.1 Information on Basic Physical and Chemical Properties</b> |   |
| <b>Physical States:</b>  | [ ] Gas [X] Liquid [ ] Solid  |
| <b>Appearance and Odor:</b>                                      | Translucent, clear to light yellow color.<br>Neutral, proprietary odor. |
| <b>pH:</b>   | 2 - 3   |
| <b>Melting Point:</b>  | N.A.  |
| <b>Boiling Point:</b>  | 212.00 F (100.0 C)  |
| <b>Flash Pt:</b>   | N.A.  |
| <b>Evaporation Rate:</b>   | Similar to water  |
| <b>Saturated Vapor Concentration:</b>                            | N.E.  |
| <b>Flammability (solid, gas):</b>                                | Non-flammable.  |
| <b>Explosive Limits:</b>   | LEL: N.A. UEL: N.A.   |
| <b>Vapor Pressure (vs. Air or mm Hg):</b>                        | Similar to water  |
| <b>Vapor Density (vs. Air = 1):</b>                              | Similar to water  |

|   |                          |
|---|--------------------------|
| <b>Specific Gravity (Water = 1):</b>        | 1.008 - 1.010            |
| <b>Density:</b>                             | 8.5 LB/GA                |
| <b>Solubility in Water:</b>                 | Soluble                  |
| <b>Octanol/Water Partition Coefficient:</b> | N.E.                     |
| <b>Autoignition Pt:</b>                     | N.A.                     |
| <b>Decomposition Temperature:</b>           | N.E.                     |
| <b>Viscosity:</b>                           | N.E.                     |
| <b>Explosive Properties:</b>                | Not an explosion hazard. |
| <b>Oxidizing Properties:</b>                | None.                    |
| <b>9.2 Other Information</b>                |                          |
| <b>Percent Volatile:</b>                    | N.A.                     |

**Section 10. Stability and Reactivity**

|  |   |
|--|---|
| <b>10.1 Reactivity:</b>                                | Not applicable.   |
| <b>10.2 Stability:</b>                                 | Unstable [ <input type="checkbox"/> ]    Stable [ <input checked="" type="checkbox"/> ]           |
| <b>10.3 Conditions To Avoid - Hazardous Reactions:</b> | Not applicable.   |
| <b>Possibility of Hazardous Reactions:</b>             | Will occur [ <input type="checkbox"/> ]    Will not occur [ <input checked="" type="checkbox"/> ] |
| <b>10.4 Conditions To Avoid - Instability:</b>         | Not known.  |
| <b>10.5 Incompatibility - Materials To Avoid:</b>      | Not known.  |
| <b>10.6 Hazardous Decomposition or Byproducts:</b>     | Not applicable.   |

**Section 11. Toxicological Information**

|   |  |
|---|--|
| <b>11.1 Information on Toxicological Effects:</b>         | Mutagenicity: This product has not been investigated for mutagenic effects.<br>Embryotoxicity: This product has not been investigated for embryotoxic effects.<br>Teratogenicity: This product has not been investigated for teratogenic effects.<br>Reproductive Toxicity: This product has not been investigated for toxic reproductive effects. |
| <b>Irritation or Corrosion:</b>                           | No data available.   |
| <b>Symptoms related to Toxicological Characteristics:</b> | No data available.   |
| <b>Sensitization:</b>                                     | No data available.   |
| <b>Chronic Toxicological Effects:</b>                     | The toxicological properties of this material have not been fully investigated.  |
| <b>Carcinogenicity/Other Information:</b>                 | The carcinogenic properties of this product have not been thoroughly investigated. No component is listed as a carcinogenic by IARC, NTP, OSHA, and ACGIH.   |
| <b>Carcinogenicity:</b>                                   | NTP? No    IARC Monographs? No    OSHA Regulated? No   |

## Section 12. Ecological Information

- 12.1 Toxicity:** 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.
- 12.2 Persistence and Degradability:** No data available.
- 12.3 Bioaccumulative Potential:** No data available.
- 12.4 Mobility in Soil:** No data available.
- 12.5 Results of PBT and vPvB assessment:** No data available.
- 12.6 Other adverse effects:** No data available.

## Section 13. Disposal Considerations

- 13.1 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.

## Section 14. Transport Information

- 14.1 LAND TRANSPORT (US DOT):**
- DOT Proper Shipping Name:** Not Regulated. Trade Name: X-CYTE
- DOT Hazard Class:**
- UN/NA Number:**
- 14.1 LAND TRANSPORT (Canadian TDG):**
- TDG Shipping Name:**
- UN Number:**
- Hazard Class:** **TDG Classification:**
- 14.1 LAND TRANSPORT (European ADR/RID):**
- ADR/RID Shipping Name:**
- UN Number:**
- Hazard Class:**

# SAFETY DATA SHEET

## X-CYTE

### 14.2 MARINE TRANSPORT (IMDG/IMO):

IMDG/IMO Shipping Name: Not Regulated. Trade Name: X-CYTE

UN Number:

Packing Group:

Hazard Class:

IMDG MFAG Number:

IMDG EMS Page:

Marine Pollutant:

No

### 14.3 AIR TRANSPORT (ICAO/IATA):

ICAO/IATA Shipping Name: Not Regulated. Trade Name: X-CYTE

Additional Transport Placards / Markings: N.A.

Information:

Emergency Response Guide Number: N.A.

Reportable Quantity: N.A.

## Section 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 | Kinetin (KT)               | No           | No        | No           |

| CAS #    | Components (Chemical Name) | Canadian NPRI | Canadian IDL | Canadian DSL |
|----------|----------------------------|---------------|--------------|--------------|
| 525-79-1 | Kinetin (KT)               | No            | No           | Yes          |

| CAS #    | Components (Chemical Name) | International Regulatory Lists |
|----------|----------------------------|--------------------------------|
| 525-79-1 | Kinetin (KT)               |                                |

### Canadian WHMIS Classification:

No data available.

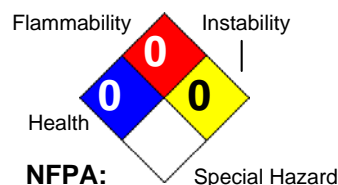
### Regulatory Information

Statement:

## Section 16. Other Information

Revision Date: 03/04/2016

Hazard Rating System:



Additional Information About No data available.

This Product:

Company Policy or

Disclaimer:

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