

1. Product and Company Identification

Product Code: 00015
Product Name: STIMULATE PLUS
Trade Name: STIMULATE PLUS
Company Name: Stoller Enterprises, Inc. **Phone Number:**
 4001 W Sam Houston Pkwy N 1 (713)461-1493
 Suite 100
 Houston, TX 77043
Email address: stoller@stollerusa.com
Emergency Contact: Chemtrec 1 (800)424-9300
Synonyms: Generic: Plant growth regulators (PGR); Plant growth hormones (PGH)

2. Hazards Identification

Serious Eye Damage/Eye Irritation, Category 2B
Acute Toxicity: Skin, Category 5
Acute Toxicity: Inhalation, Category 5
Specific Target Organ Toxicity (single exposure), Category 3
Acute Toxicity: Oral, Category 5
Aquatic Toxicity (Chronic), Category 4



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.
 H333 - May be harmful if inhaled.
 H335 - May cause respiratory irritation.
 H413 - May cause long lasting harmful effects to aquatic life.

GHS Precaution Phrases: P261 - Avoid breathing dust/fume/gas/mist/vapors/spray.
 P264 - Wash hands thoroughly after handling.
 P271 - Use only outdoors or in a well-ventilated area.
 P273 - Avoid release to the environment.
 P270 - Do not eat, drink or smoke when using this product.
 P280 - Wear protective gloves/protective clothing/eye protection/face protection.
 P281 - Use personal protective equipment as required.
 P235+410 - Keep cool and protect from sunlight.
 P233 - Keep container tightly closed.
 P101 - If medical advice is needed, have product container or label at hand.

GHS Response Phrases: P301+310 - IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.
 P330 - Rinse mouth.
 P302+352 - IF ON SKIN: Wash with plenty of soap and water.
 P332+313 - If skin irritation occurs, get medical advice/attention.
 P304+340 - IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
 P342+311 - If experiencing respiratory symptoms call a POISON CENTER or doctor/physician.
 P305+351+338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
 P337+313 - If eye irritation persists, get medical advice/attention.

GHS Storage and Disposal Phrases:

P370+378 - In case of fire, use water, foam, carbon dioxide, dry chemicals, etc. to extinguish.
P391 - Collect spillage.
P405 - Store locked up.
P403+233 - Store container tightly closed in well-ventilated place.
P403+235 - Store in cool/well-ventilated place.
P402 - Store in a dry place.
P410 - Protect from sunlight.
P501 - Dispose of contents/container to treatment at a permitted facility or as advised by your local regulatory authority.

Potential Health Effects (Acute and Chronic):

Inhalation: May be harmful if inhaled, may cause irritation of upper respiratory tract.
Skin Contact: May cause skin irritation. May be harmful if absorbed through the skin.
Eye Contact: Contact with product may cause slight to moderate eye irritation.
Ingestion: May be harmful if swallowed.

3. Composition/Information on Ingredients

CAS #	Hazardous Components (Chemical Name)	Concentration	RTECS #
525-79-1	Kinetin (KT)	~ 0.1 %	AU6270000
77-06-5	(+)-Gibberellic acid	~ 0.05 %	LY8990000
133-32-4	1H-Indole-3-butanoic acid	~ 0.05 %	NL5250000

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. It is advisable to bring with victim a copy of label and SDS of product to health professional.

In Case of Inhalation: Move patient to fresh air. Supplemental oxygen may be needed. Assure mucous is not obstructing airway. Seek medical attention if victim's breathing is difficult.

In Case of Skin Contact: Wash affected area with abundant soap and water. Seek medical attention if irritation occurs.

In Case of Eye Contact: Holding eyelids apart, immediately flush eyes with copious amounts of clean water for at least 15 minutes. Seek medical attention should severe irritation occur.

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: Symptomatic treatment.

5. Fire Fighting Measures

Flash Pt: N.A.

Explosive Limits: LEL: N.A. UEL: N.A.

Autoignition Pt: N.A.

Suitable Extinguishing Media: Use all means adequate to fight surrounding fire: water, foam, CO2, dry chemicals, etc.

Fire Fighting Instructions: None specific for this product.

Flammable Properties and Hazards: Toxic fumes under fire conditions, such as NO, NO2, CO, CO2, etc.

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, dust respirator and coveralls or long sleeved shirt and pants.

Environmental Precautions: Keep product from entering drains or other waterways in large quantities.

Steps To Be Taken In Case Material Is Released Or Spilled: It is necessary to contain the spill into the smallest area possible by sweeping, scooping, etc. and recover the product into an appropriate container, labeling it accordingly for use as intended following original label directions.
Should product get contaminated, salvage for proper disposal as waste in accordance with Federal, State and Local waste disposal regulations.

7. Handling and Storage

Precautions To Be Taken in Handling: All personnel who handle this material should be trained to work with it safely. Avoid breathing dusts; use in a well ventilated location or wear an appropriate respirator. Empty packaging may contain residual granules or powder thus should also be handled with care.

Precautions To Be Taken in Storing: Store in a cool, dry place, away from situations where wetting may occur, also away from direct sunlight or sources of intense heat. Store away from food, feed, clothing materials and living quarters. Inspect all incoming containers before storage to ensure all are properly labeled and not damaged. Keep containers tightly closed when not in use.

8. Exposure Controls/Personal Protection

CAS #	Partial Chemical Name	OSHA TWA	ACGIH TWA	Other Limits
525-79-1	Kinetin (KT)			AU6270000
77-06-5	(+)-Gibberellic acid			
133-32-4	1H-Indole-3-butanoic acid			NL5250000

Respiratory Equipment (Specify Type): Wear a NIOSH/OSHA approved respirator if working conditions require doing so.

Eye Protection: Safety glasses should be worn in any type of operation with chemicals.

Protective Gloves: Protective gloves.

Other Protective Clothing: Long-sleeved shirt, long pants and protective shoes should be worn as a good safety practice.

Engineering Controls (Ventilation etc.): General ventilation is usually adequate. Local exhaust may be used depending on working conditions. An eye bath, safety shower and washing facilities should be readily available.

Work/Hygienic/Maintenance Practices: Remove all dirty or contaminated clothing and wash it before reusing. As a general rule, do not eat, drink, smoke, and/or chew gum or tobacco when handling chemicals. Wash thoroughly after handling this product.

9. Physical and Chemical Properties

Physical States:	[] Gas [X] Liquid [] Solid
Appearance and Odor:	Translucent, light-amber to brown color. Pleasant, neutral proprietary odor.
pH:	2.0 - 2.5
Melting Point:	N.A.
Boiling Point:	~ 230.00 F (110.0 C)
Flash Pt:	N.A.
Evaporation Rate:	Not determined
Flammability (solid, gas):	
Explosive Limits:	LEL: N.A. UEL: N.A.
Vapor Pressure (vs. Air or mm Hg):	Not determined
Vapor Density (vs. Air = 1):	Not determined
Specific Gravity (Water = 1):	
Density:	1.01 - 1.02 G/CC
Solubility in Water:	100%
Percent Volatile:	
Autoignition Pt:	N.A.

10. Stability and Reactivity

Stability:	Unstable [] Stable [X]
Conditions To Avoid - Instability:	Avoid extreme heat, humid areas and contact with incompatible materials.
Incompatibility - Materials To Avoid:	Strong oxidizing agents.
Hazardous Decomposition or Byproducts:	Toxic fumes under fire conditions, such as NO, NO ₂ , CO, CO ₂ , etc.
Possibility of Hazardous Reactions:	Will occur [] Will not occur [X]
Conditions To Avoid - Hazardous Reactions:	No data available.

11. Toxicological Information

Toxicological Information: Respiratory or skin sensitization: No data available.

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

Teratogenicity: The components of this product are not reported to produce teratogenic effects in humans.

Reproductive Toxicity: The components of this product are not reported to produce toxic reproductive effects in humans.

CAS# 77-06-5: Acute toxicity, LD50, Oral, Rat, 6300. MG/KG. Result: Behavioral: Altered sleep time (including change in righting reflex). Behavioral: Change in motor activity (specific assay). Behavioral: Antipsychotic. ; "Agricultural Chemicals," 1976/77 revision, Thomson, W.T., 4 vols., Thomson Publications, Fresno, CA, Vol/p/yr: 3,43,1976, 1977

Acute toxicity, LD50, Skin, Species: Rabbit, > 2.000 GM/KG. Result: Behavioral: Somnolence (general depressed activity). Behavioral: Coma. Nutritional and Gross Metabolic: Weight loss or decreased weight gain. ; Farm Chemicals Handbook., Meister Pub., 37841 Euclid Ave., Willoughy, OH 44094, Vol/p/yr: -, C268, 1991

CAS# 133-32-4: Acute toxicity, LD50, Oral, Mouse, 100.0 MG/KG. Result: Brain and Coverings: Recordings from specific areas of CNS. Cardiac: Pulse rate. Blood: Changes in leukocyte (WBC) count. ; "Agricultural Chemicals," 1976/77 revision, Thomson, W.T., 4 vols., Thomson Publications, Fresno, CA, Vol/p/yr: 3,76,1976, 1977

Carcinogenicity/Other Information: No component listed as a carcinogenic by CPDB, IARC, NTP, OSHA, CAL/OSHA, and ACGIH.

Carcinogenicity: NTP? No IARC Monographs? No OSHA Regulated? No

CAS #	Hazardous Components (Chemical Name)	NTP	IARC	ACGIH	OSHA
525-79-1	Kinetin (KT)	n.a.	n.a.	n.a.	n.a.
77-06-5	(+)-Gibberellic acid	n.a.	n.a.	n.a.	n.a.
133-32-4	1H-Indole-3-butanoic acid	n.a.	n.a.	n.a.	n.a.

12. Ecological Information

General Ecological Information: No environmental impact studies have been performed with this product. All work practices must be aimed at preventing environmental contamination.

Persistence and Degradability: The nature of this material does not indicate any undue hazard to the environment under anticipated use and storage.

Bioaccumulative Potential: No data available.

Mobility in Soil: Any waste due to spillage or leakage should be contained and disposed of accordingly, see Section 6 "Accidental Release Measures." Due to its nutritional nature, may cause eutrophication if discharged in bodies of water.

13. Disposal Considerations

Waste Disposal Method: 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 may have residues, thus handle them with caution. Dispose of properly according to regulations on empty containers in your locality or make available to a container reconditioning facility for recycling.

14. Transport Information

GHS Classification: Serious Eye Damage/Eye Irritation, Category 2B - Warning! Causes eye irritation
Acute Toxicity: Skin, Category 5 - Warning! May be harmful in contact with skin
Acute Toxicity: Inhalation, Category 5 - Warning! May be harmful if inhaled
Specific Target Organ Toxicity (single exposure), Category 3 - Warning! May cause respiratory irritation, or may cause drowsiness and dizziness
Acute Toxicity: Oral, Category 5 - Warning! May be harmful if swallowed
Aquatic Toxicity (Chronic), Category 4 - May cause long lasting harmful effects to aquatic life

LAND TRANSPORT (US DOT):

DOT Proper Shipping Name: Not Regulated. Trade Name: STIMULATE PLUS

DOT Hazard Class:

UN/NA Number:

MARINE TRANSPORT (IMDG/IMO):

IMDG/IMO Shipping Name: Not Regulated. Trade Name: STIMULATE PLUS

UN Number:

Packing Group:

Hazard Class:

IMDG MFRAG Number: N/A

IMDG EMS Page:

AIR TRANSPORT (ICAO/IATA):

ICAO/IATA Shipping Name: Not Regulated. Trade Name: STIMULATE PLUS

Additional Transport Information: Placards / Markings: Not Applicable

15. Regulatory Information

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

CAS #	Hazardous Components (Chemical Name)	S. 302 (EHS)	S. 304 RQ	S. 313 (TRI)
525-79-1	Kinetin (KT)	No	No	No
77-06-5	(+)-Gibberellic acid	No	No	No
133-32-4	1H-Indole-3-butanoic acid	No	No	No

This material meets the EPA 'Hazard Categories' defined for SARA Title III Sections 311/312 as indicated:
 Yes No Acute (immediate) Health Hazard
 Yes No Chronic (delayed) Health Hazard
 Yes No Fire Hazard
 Yes No Sudden Release of Pressure Hazard
 Yes No Reactive Hazard

CAS #	Hazardous Components (Chemical Name)	Other US EPA or State Lists
525-79-1	Kinetin (KT)	CAA HAP,ODC: No; CWA NPDES: No; TSCA: Yes - Inventory; CA PROP.65: No; CA TAC, Title 8: No
77-06-5	(+)-Gibberellic acid	CAA HAP,ODC: No; CWA NPDES: No; TSCA: Yes - Inventory; CA PROP.65: No; CA TAC, Title 8: No
133-32-4	1H-Indole-3-butanoic acid	CAA HAP,ODC: No; CWA NPDES: No; TSCA: Yes -

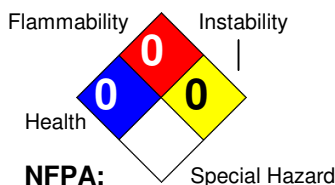
		Inventory; CA PROP.65: No; CA TAC, Title 8: No
CAS #	Hazardous Components (Chemical Name)	International Regulatory Lists
525-79-1	Kinetin (KT)	Canadian DSL: Yes; Canadian NDSL: No; Mexico INSQ: No; REACH: Yes - (P)
77-06-5	(+)-Gibberellic acid	Canadian DSL: Yes; Canadian NDSL: No; Mexico INSQ: Yes; REACH: Yes - (P)
133-32-4	1H-Indole-3-butanoic acid	Canadian DSL: Yes; Canadian NDSL: No; Mexico INSQ: Yes; 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: 06/01/2015

Hazard Rating System:



Additional Information About This Product:

Company Policy or Disclaimer:

Stoller Enterprises, Inc., 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 Enterprises 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 Enterprises assumes no responsibility for results obtained or for incidental or consequential damages arising from the use of goods and data.