


NFPA HAZARD RATING				U.S. TRANSPORT SUMMARY	
0	Least				Regulated in bulk packaging (119 gallons and greater); see Section 14 for additional information.
1	Slight	1	Health		
2	Moderate	0	Flammability		
3	High	0	Reactivity		
4	Severe				

SECTION 1: IDENTIFICATION	
Product Name: Gravity® SL PGS EPA Registration #: 1381-253 Product ID/Unity #: 1577572 Common Name: Plant growth regulator Chemical Description: Gibberellic acid, kinetin, and indole butyric acid Recommended Uses: Agricultural Plant Growth Regulator – See product label for complete list of uses and use sites. Restrictions for Use: See product label for information regarding restrictions on the use of this product.	MEDICAL EMERGENCY TELEPHONE NUMBER: 1-877-424-7452 (24hrs) Non-Emergency Business Inquiries: 1-855-494-6343 Mon – Fri 8am – 5pm (Central Standard Time)
Manufactured For: WINFIELD SOLUTIONS, LLC P. O. Box 64589 St. Paul, MN 55164-0589	
FOR EMERGENCY, SPILL, LEAK, FIRE, EXPOSURE, OR ACCIDENT, CALL: CHEMTREC 1-800-424-9300 (24 hours)	

SECTION 2: HAZARDS IDENTIFICATION			
EMERGENCY OVERVIEW: Yellow liquid with no odor. Combustible liquid.			
POTENTIAL HEALTH EFFECTS:			
Eyes: May cause mild but temporary eye irritation. Skin: May cause mild but temporary skin irritation with prolonged contact. Inhalation: May cause mild irritation of the upper respiratory tract. Ingestion: May cause irritation of the gastric system. Preexisting Conditions: None known Chronic Health Effects: None known			
Carcinogenicity	NTP: Not listed	IARC: Not listed	OSHA: Not listed
OSHA HCS 2012 CLASSIFICATION: Flammable Liquid Category 4			
SIGNAL WORD: WARNING			
HAZARD STATEMENTS: Combustible liquid.			
Percent of product with unknown toxicity: 0%			
PRECAUTIONARY STATEMENTS:			
Prevention: Keep away from flames and hot surfaces. - No smoking. Wear protective gloves, eye protection and face protection. Response: In case of fire: Use dry chemical, foam, carbon dioxide, water fog or water spray to extinguish. Storage: Store in a well-ventilated place. Keep cool. Disposal: Dispose of contents/container in accordance with Federal, state and local regulations.			

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Ingredient	% (wt)	CAS Reg. #
Kinetin	0.090%	525-79-1
Indolebutyric acid	0.045%	133-32-4
Gibberellic acid	0.030%	468-44-0 & 510-75-8
Propylene glycol	*	57-55-6
*Ingredients not specifically listed are non-hazardous and/or are considered to be confidential business information under 29 CFR 1910.1200(i).		
See Section 8 for exposure limits.		

SECTION 4: FIRST AID MEASURES

Inhalation:	Remove person from contaminated area to fresh air and assist breathing as needed. Seek medical attention if irritation occurs.
Ingestion:	Seek medical attention or call a poison control center for treatment advice. Do not induce vomiting unless instructed to do so by a poison control center or doctor. Do not give anything by mouth to an unconscious person.
Eyes:	Flush eyes with clean water for at least 15 minutes. Lift eyelids to facilitate irrigation. If present, remove contact lenses after 5 minutes and continue rinsing. Seek medical attention if irritation persists.
Skin:	Remove contaminated clothing and wash before re-using. Flush skin with water and then wash with soap and water. Seek medical attention if irritation persists.

SECTION 5: FIRE FIGHTING MEASURES

Suitable Extinguishing Media: Dry chemical, foam, carbon dioxide, water fog or water spray.
Special Fire Fighting Procedures: Wear NIOSH/MSHA approved self-contained breathing apparatus and full bunker gear. Dike area to prevent runoff and contamination of water sources. Dispose of fire control water later. Avoid breathing vapors; keep upwind.
Hazardous Combustion Products: Toxic gases may be formed in a fire situation. Carbon monoxide and other asphyxiates may form as well.
Unusual Fire and Explosion Hazards: Closed containers may explode from vapor expansion in high heat.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal Precautions: Refer to Section 8 for personal protective equipment to be worn during containment and clean-up of a spill involving this product.
Environmental Precautions: Do not allow spilled product to enter sewers or waterways.
Methods for Containment: Contain spilled product by diking area with sand or earth.
Methods for Clean-up: Cover contained spill with an inert absorbent material such as sand, vermiculite or other appropriate material. Avoid the use of combustible materials such as sawdust. Scoop, or sweep up material and place in a container for disposal. Do not place spilled material back in original container. Eliminate all ignition sources.
Other Information: None known

SECTION 7: HANDLING AND STORAGE

Handling: RECOMMENDATIONS ARE FOR MANUFACTURING, COMMERCIAL BLENDING, AND PACKAGING WORKERS. PESTICIDE APPLICATORS AND WORKERS must refer to the pesticide product label and Directions for Use attached to the product for Agricultural Use Requirements in accordance with the EPA Worker Protection Standard 40 CFR part 170. Ensure adequate ventilation. Immediately clean up spills that occur during handling. Keep containers closed when not in use. Practice good hygiene after using this material, especially before eating, drinking, smoking, using the toilet, or applying cosmetics.
Storage: Store in cool, dry areas away from children, food and feed products in an area away from incompatible substances. Protect packaging from physical damage. Protect from exposure to fire. Maintain product above minimum storage temperature. See pesticide product label for additional storage information.
Minimum Storage Temperature: 32°F
Other Precautions: Consult Federal, state and local laws and regulations pertaining to storage.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Guidelines			
Component:	OSHA PEL	ACGIH TLV	NIOSH REL
No components have established limits			
NOTE TO END USERS: PERSONAL PROTECTIVE EQUIPMENT (PPE) AND CLOTHING LISTED IN THIS SECTION IS FOR MANUFACTURING, COMMERCIAL BLENDING AND PACKAGING WORKERS. APPLICATORS AND HANDLERS SHOULD REFER TO THE PESTICIDE PRODUCT LABEL FOR PROPER PERSONAL PROTECTIVE EQUIPMENT (PPE) AND CLOTHING.			
Respiratory Protection: If conditions are poorly ventilated, use a NIOSH approved air-purifying respirator with cartridges/canisters approved for general particulates.			
Engineering Controls: Local Exhaust: Provide general or local exhaust ventilation systems to maintain airborne concentrations below OSHA PELs or other specified exposure limits. Local exhaust ventilation is preferred.			
Protective Gloves: Wear chemically protective gloves to prevent exposure to skin.			
Eye Protection: To avoid contact with eyes, wear chemical safety goggles or safety glasses and full face shield. Contact lenses are not protective eye devices.			
Other Protective Clothing or Equipment: Wear long-sleeve shirt, long pants and shoes plus socks to prevent skin contact.			
Work/Hygienic Practices: Never eat, drink, nor use tobacco in work areas. Practice good hygiene after using this material, especially before eating, drinking, smoking, using the toilet, or applying cosmetics.			

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Physical State:	Liquid	Specific Gravity (H₂O=1):	1.037 (typical)
Vapor Pressure (mm Hg):	Not determined	Density (lbs/gallon):	8.65 lbs/gallon (typical)
Vapor Density (Air=1):	Not determined	Melting Point/Freezing Point:	Not determined
Solubility in Water (wt %):	100%	Boiling Point/Range:	Not determined
Viscosity:	57 mm ² /s	pH (1% solution in water):	4.3
Appearance and odor:	Yellow liquid with no discernible odor	Flash Point:	185°F (85°C)

SECTION 10: STABILITY AND REACTIVITY

Reactivity: None known
Chemical Stability: Product is stable at ambient temperature and pressure, under normal storage and handling conditions.
Possibility of Hazardous Reactions: Will not occur.
Conditions to Avoid: Avoid excessive heat, freezing temperatures and sources of ignition.
Incompatible Materials: Strong acids, strong bases and strong oxidizers
Hazardous Decomposition Products: In a fire situation, carbon monoxide and other asphyxiates may form.

SECTION 11: TOXICOLOGICAL INFORMATION

ACUTE TOXICITY	
Eye Effects:	May cause mild but temporary eye irritation. Animal test shows no irritation.
Skin Effects:	Irritation is not expected however, if irritation occurs it should clear up in less than 72 hours (rabbit). Not a skin sensitizer. LD50 >5050 mg/kg (rats)
Acute Inhalation Effects:	LC50 >2.26 mg/L (rats); no mortality was observed during the study and based upon component information, it is not anticipated that this product is acutely toxic by inhalation.
Acute Oral Effects:	LD50 >5,000 mg/kg (rats)
Specific Target Organ Toxicity:	None known
CHRONIC TOXICITY	
Chronic Effects:	None known
Carcinogenicity:	None known

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Mutagenicity: None known
 Teratogenicity: None known
 Reproductive Toxicity: None known

POTENTIAL HEALTH EFFECTS:

Eyes: May cause mild but temporary eye irritation.
Skin: May cause mild but temporary skin irritation with prolonged contact.
Inhalation: May cause mild irritation of the upper respiratory tract.
Ingestion: May cause irritation of the gastric system.

SECTION 12: ECOLOGICAL INFORMATION

ENVIRONMENTAL SUMMARY: Not determined

ECOTOXICITY DATA:

Fish Acute and Prolonged Toxicity: Not determined
Aquatic Invertebrate Acute Toxicity: Not determined
Aquatic Plant Toxicity: Not determined
Bird Acute and Prolonged Toxicity: Not determined
Honeybee Toxicity: Not determined

ENVIRONMENTAL EFFECTS:

Soil Absorption/Mobility: Not determined
Persistence and degradability: Not determined
Bioaccumulative Potential: Not determined
Other adverse effects: Not determined

SECTION 13: DISPOSAL CONSIDERATIONS

Waste: Dispose of in accordance with applicable Federal, state and local laws and regulations.
Container: Triple rinse and recycle the container or dispose of in accordance with Federal, state and local laws and regulations.
See pesticide product label for full instructions on disposal.
RCRA Characteristics: It is the responsibility of the individual disposing of this product to determine the RCRA classification and hazard status of the waste.

SECTION 14: TRANSPORT INFORMATION

DOT: This product is not regulated by the U.S. Department of Transportation as a hazardous material for ground shipment in quantities less than 119 gallons. For quantities of 119 gallons or greater:
 NA1993, Combustible liquid n.o.s. (Propylene glycol), 3, PG III
 While the hazard class is a 3, the product is classified as combustible rather than flammable as allowed by 49 CFR 173.120(b)(2)

IMDG: This product is not regulated by the IMDG code as a hazardous material for shipment by sea.
(Sea)

IATA: This product is not regulated by IATA as a hazardous material for shipment by air.
(Air)

TDG: Not determined
(Canada)

SECTION 15: REGULATORY INFORMATION

TSCA Inventory: This product is exempt from TSCA inventory listing requirements as it is solely for FIFRA regulated use.

SARA Title III Information:

Section 302 - Extremely hazardous substances: None listed

Section 311/312 - Hazard Categories: Fire

Section 313 - The following chemicals are subject to the reporting requirements of Section 313 of Title III, Superfund Amendments and Reauthorization Act of 1986 and 40 CFR 372:

None listed

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CERCLA - This product contains the following chemicals which have a reportable quantity (RQ) under the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA):

None listed

EPA Registration Information: This chemical is a pesticide product registered by the Environmental Protection Agency and is subject to certain labeling requirements under federal pesticide law. These requirements differ from the classification criteria and hazard information required for safety data sheets, and for workplace labels of non-pesticide chemicals. Following is the hazard information as required on the pesticide label:

CAUTION

Causes moderate eye irritation.

Avoid contact with eyes or clothing.

Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet.

Wear the appropriate Personal Protective Equipment (PPE).

California Proposition 65: This product does not contain any components known to the state of California to cause cancer and/or reproductive harm.

U.S. State Worker and Community Right-To-Know (RTK) Information (CT, IL, MA, MN, NH, NJ, PA, RI):

Chemical Name	CAS #	State(s)
Propylene glycol	57-55-6	PA

Canadian Domestic Substances List: Not determined

WHMIS Classification: This product is not approved for use in Canada. WHMIS classification is not determined.

SECTION 16: OTHER

Disclaimer: The information presented herein is based on available data from reliable sources and is correct to the best of WinField Solutions' knowledge. WinField Solutions, LLC makes no warranty, express nor implied, regarding the accuracy of the data or the results obtained from the use of this product. Nothing herein may be construed as recommending any practice or any product in violation of any law or regulations. The user is solely responsible for determining the suitability of any material or product for a specific purpose and for adopting any appropriate safety precautions. We disclaim all liability for injury or damage stemming from any improper use of the material or product described herein.

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