

SECTION 1: IDENTIFICATION

Product Name: Ascend® SL Product ID/Unity #: 1633002 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.		
Manufactured for: WINFIELD SOLUTIONS, LLC P. O. Box 64589 St. Paul, MN 55164-0589, USA	Initial Supplier: WINFIELD UNITED CANADA, ULC 101-302 Wellman Lane Saskatoon, Saskatchewan S7T-0J1, CAN 1-306-249-5112	MEDICAL EMERGENCY TELEPHONE NUMBER: 1-877-424-7452 (24hrs)
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. Based on currently available data, this product does not meet the regulatory definition of a hazardous substance. However, good industrial hygiene practices should be used in handling the product.			
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
CLASSIFICATION: This product is not considered hazardous according to the criteria set within WHMIS 2015 which includes the amended Hazardous Products ACT (HPA) and the Hazardous Products Regulation (HPR).			
SIGNAL WORD: None required			
HAZARD STATEMENTS: None required Percent of product with unknown toxicity: 0%			
PRECAUTIONARY STATEMENTS: Prevention: See Section 8 for personal protective equipment. Response: See Section 4 for first aid. Storage: See Section 7 for storage information. Disposal: See Section 13 for disposal information.			

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
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 if you feel unwell. 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.

Continued on next page

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: 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.
Minimum Storage Temperature: 0°C (32°F)

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Guidelines			
Component:	OSHA PEL	ACGIH TLV	NIOSH REL
No components have established limits			
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	Melting Point/Freezing Point:	Not determined
Vapor Density (Air=1):	Not determined	Boiling Point/Range:	Not determined
Solubility in Water (wt %):	100%	pH (1% solution in water):	4.3
Viscosity:	57 mm ² /s	Flash Point:	>93°C (201°F)
Appearance and odor:	Yellow liquid with no discernible odor		

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
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, provincial and local laws and regulations.
Container: Triple rinse and recycle the container or dispose of in accordance with Federal, provincial and local laws and regulations.

SECTION 14: TRANSPORT INFORMATION

DOT (U.S. Ground): Not Regulated
IMDG (Sea): Not Regulated
IATA (Air): Not Regulated
TDG (Canada): Not Regulated

SECTION 15: REGULATORY INFORMATION

No further information

SECTION 16: OTHER

NFPA HAZARD RATING	Health	1
	Flammability	0
	Reactivity	0
	4= Severe 3= High 2= Moderate 1= Slight 0= Least	

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