

NFPA HAZARD RATING				U.S. TRANSPORT SUMMARY	
0	Least				Not regulated as a hazardous material for ground transport. (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™ L 18-3-6 with Max-In® Technology
EPA Registration #:	Exempt
Product ID/Unity #:	1431545, 1431546
Common Name:	NPK fertilizer solution with trace micronutrients
Chemical Description:	Complexed fertilizer solution
Recommended Uses:	Fertilizer product – See product label for directions for use.
Restrictions for Use:	See product label for any potential restrictions on use.
Manufactured For: WINFIELD SOLUTIONS, LLC P. O. Box 64589 St. Paul, MN 55164-0589	MEDICAL EMERGENCY TELEPHONE NUMBER: 1-877-424-7452 (24hrs) Non-Emergency Business Inquiries: 1-855-494-6343 Mon – Fri 8am – 5pm (Central Standard Time)
FOR EMERGENCY, SPILL, LEAK, FIRE, EXPOSURE, OR ACCIDENT, CALL: CHEMTREC 1-800-424-9300 (24 hours)	

SECTION 2: HAZARDS IDENTIFICATION	
EMERGENCY OVERVIEW: Light green to brown liquid with a faint, sweet odor. May cause mild eye and skin irritation. Based on currently available data, this product does not meet the regulatory definition of a hazardous chemical. However, good industrial hygiene practices should be used in handling the product.	
POTENTIAL HEALTH EFFECTS: Eyes: May cause mild eye irritation. Skin: May cause mild skin irritation. Inhalation: May cause irritation of the upper respiratory tract. Ingestion: May cause gastric upset if swallowed. Preexisting Conditions: Preexisting respiratory conditions may be aggravated by exposure to mist. Chronic Health Effects: None known	
Carcinogenicity	NTP: Not listed IARC: Not listed OSHA: Not listed
OSHA HCS 2012 CLASSIFICATION: This product does not meet the definition of a hazardous chemical under OSHA's Hazard Communication Standard.	
SIGNAL WORD: CAUTION	
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 information. Storage: See section 7 for storage information. Disposal: See section 13 for disposal information.	

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SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS		
Ingredient	% (wt)	CAS Reg. #
Urea	17.6%	57-13-6
*Ingredients not specifically listed are non-hazardous and are considered to be confidential business information under 29 CFR 1910.1200(j).		
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. See 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 eye 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 skin irritation persists.

SECTION 5: FIRE FIGHTING MEASURES	
Suitable Extinguishing Media:	Foam, carbon dioxide, dry chemical or water fog
Unsuitable Extinguishing Media:	Water jet. Use of water jet as an extinguisher may spread the fire.
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:	Carbon monoxide, nitrate or ammonium fumes
Unusual Fire and Explosion Hazards:	None known

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:	Keep spilled product and any rinse water from entering 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. Vacuum, scoop, or sweep up material and place in a container for disposal. Do not place spilled material back in original container.
Other Information:	None known

SECTION 7: HANDLING AND STORAGE	
Handling:	Ensure adequate ventilation during handling and use. 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 original container only and in a cool, well-ventilated, dry place at temperatures between 40 and 95°F. Store in areas away from children, feed and food products.
Minimum Storage Temperature:	40°F
Other Precautions:	Consult Federal, state and local laws and regulations pertaining to storage.

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SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION			
Exposure Guidelines			
Component:	OSHA PEL	ACGIH TLV	NIOSH REL
No components have established limits			
Respiratory Protection: For most well-ventilated conditions, no respiratory protection should be needed. If used in areas where ventilation is inadequate, use a NIOSH approved air-purifying respirator with cartridges/canisters approved for use against 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: This product may cause skin irritation. 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):	1.28 – 1.30
Vapor Pressure (mm Hg):	Not determined	Density (lbs/gallon):	10.76 – 10.85 lbs/gallon
Vapor Density (Air=1):	Not determined	Freezing Point:	Not determined
Solubility in Water (wt %):	Not determined	Boiling Point/Range:	Not determined
Viscosity:	Not determined	pH:	9 - 10
Appearance and odor:	Light green to brown with a faint, sweet odor	Flash Point:	Not determined

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: Brass, copper and galvanized metals may be subject to mild corrosion from prolonged or repeated contact with this product.
Incompatible Materials: Strong oxidizing agents
Hazardous Decomposition Products: Burning may result in carbon monoxide, nitrate or ammonium fumes

SECTION 11: TOXICOLOGICAL INFORMATION	
<u>ACUTE TOXICITY</u>	
Eye Effects:	May cause mild and temporary eye irritation.
Skin Effects:	May cause slight irritation, especially from prolonged exposure. May cause redness.
Acute Inhalation Effects:	None expected but inhalation may cause mild irritation of nasal mucous membranes.
Acute Oral Effects:	May cause stomach cramps and/or nausea.
Specific Target Organ Toxicity:	None known
<u>CHRONIC TOXICITY</u>	
Chronic Effects:	None known
Carcinogenicity:	No components are anticipated to have carcinogenic effects.
Mutagenicity:	No components are anticipated to have mutagenic effects.
Teratogenicity:	No components are anticipated to have teratogenic effects.
Reproductive Toxicity:	No components are anticipated to have effects on the reproductive system.

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POTENTIAL HEALTH EFFECTS:

Eyes: May cause mild eye irritation.
Skin: May cause mild skin irritation.
Inhalation: May cause irritation of the upper respiratory tract.
Ingestion: May cause gastric upset if swallowed.

SECTION 12: ECOLOGICAL INFORMATION

ENVIRONMENTAL SUMMARY: Not determined

ECOTOXICITY DATA:

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

ENVIRONMENTAL EFFECTS:

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

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.
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.
(Ground)
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 air shipment.
(Air)
TDG: Not determined
(Canada)

SECTION 15: REGULATORY INFORMATION

TSCA Inventory: All components are listed on the TSCA inventory.
SARA Title III Information:
Section 302 - Extremely hazardous substances: None listed
Section 311/312 – Hazard Categories: None
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
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
California Proposition 65: WARNING: This product contains a chemical known to the state of California to cause cancer and/or reproductive harm.

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U.S. State Worker and Community Right-To-Know (RTK) Information (CT, IL, MA, MN, NH, NJ, PA, RI):		
Chemical Name	CAS #	State(s)
Urea	57-13-6	MN
Canadian Domestic Substances List: Not determined		
WHMIS Classification: This product is not registered 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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Sections Revised: Not applicable – new document