

Safety Data Sheet

NFPA HAZARD RATING				U.S. TRANSPORT SUMMARY	
0	Least				Not regulated by the U.S. Department of Transportation as a hazardous material. (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 Humic Base 0-0-1 EPA Registration #: Exempt Product ID/Unity #: 1600767 Common Name: Potassium Fertilizer solution with trace micronutrients Chemical Description: Fertilizer solution Recommended Uses: Fertilizer Product – See product label for directions for use. 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	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: 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 irritation to the eyes. Skin: May cause redness of skin. Inhalation: May cause irritation of the 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: This product does not meet the definition of a hazardous chemical under OSHA's Hazard Communication Standard.			
SIGNAL WORD: CAUTION			
HAZARD STATEMENTS: 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.			

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SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Ingredient	% (wt)	CAS Reg. #
*Ingredients not specifically listed are non-hazardous and/or considered to be confidential business information under 29 CFR 1910.1200(i).		
See Section 8 for exposure limits.		

SECTION 4: FIRST AID MEASURES

Inhalation:	Move to fresh air. If breathing becomes difficult, call physician.
Ingestion:	Irritation may occur. Contact poison control immediately.
Eyes:	Flush immediately with soap and water. Seek medical attention if irritation persists.
Skin:	Wash thoroughly with soap and water. Remove contaminated clothing and wash before re-use. See physician if skin becomes irritated.

SECTION 5: FIRE FIGHTING MEASURES

Suitable Extinguishing Media:	Foam, dry chemical, water spray
Unsuitable Extinguishing Media:	Not determined.
Hazardous Combustion Products:	None known
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 from entering nearby sewers or waterways.
Methods for Containment:	Contain spilled liquid 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. Dispose according to state and Federal regulations.
Other Information:	None known

SECTION 7: HANDLING AND STORAGE

Handling:	Transfer using chemical resistant pumps, valves and hoses. 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 containers in a cool, well ventilated area. Do not store below 40°F or above 110°F. Do not stack pallets more than two (2) high.
Minimum Storage Temperature:	40°F
Other Precautions:	Consult Federal, state and local laws and regulations pertaining to storage.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Guidelines	OSHA PEL	ACGIH TLV	NIOSH REL
Component:			
Respiratory Protection:	Respiratory – Not normally needed. If use generates mist, use NIOSH-Dust/Mist Respirator (such as 3M #8710).		
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 impervious gloves to prevent exposure to the skin.		
Eye Protection:	Chemical Dust Splash/Dust Goggles or Full face shield to prevent eye contact. As a general rule, do not wear contact lenses when handling.		
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):	1.35
Vapor Pressure (mm Hg):	Not applicable	Density (lbs/gallon):	Not determined
Vapor Density (Air=1):	Not applicable	Melting Point/Freezing Point:	28° F
Solubility in Water (wt %):	100%	Boiling Point/Range:	212°F
Viscosity:	Not determined	pH (1% Solution):	3.5
Appearance and odor:	Earthy/Organic Odor. Brown Viscous Liquid	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.

Possibility of Hazardous Reactions: None known.

Conditions to Avoid: None known.

Incompatible Materials: None known

Hazardous Decomposition Products: If burning, will release carbon monoxide/carbon dioxide

SECTION 11: TOXICOLOGICAL INFORMATION**ACUTE TOXICITY**

Eye Effects:	Mild irritant.
Skin Effects:	Mild irritant.
Acute Inhalation Effects:	Mild irritation may occur..
Acute Oral Effects:	May cause cramps or nausea
Specific Target Organ Toxicity:	None known.

CHRONIC TOXICITY

Chronic Effects:	Not known.
Carcinogenicity:	Not applicable
Mutagenicity:	Not applicable
Teratogenicity:	Not applicable
Reproductive Toxicity:	Not applicable

POTENTIAL HEALTH EFFECTS:

Eyes: Mild irritant. May cause redness/burning.

Skin: Mild irritant, especially from prolonged exposure may occur.

Inhalation: Mild irritation may occur.

Ingestion: May cause cramps or nausea.

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:	None known

SECTION 13: DISPOSAL CONSIDERATIONS

Waste: Do not contaminate lakes, streams, ponds, estuaries, oceans, or any other bodies of water by discharge of effluents or washwaters. Dispose of waste effluents according to state and local 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
(Ground) shipment

IMDG: Not determined
(Sea)

IATA: Not determined
(Air)

TDG: Not determined
(Canada)

SECTION 15: REGULATORY INFORMATION

TSCA Inventory: None

SARA Title III Information:

Section 302 – Extremely hazardous substances: None listed

Section 311/312 – Hazard Categories: None listed

Section 313 – 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: Not determined

U.S. State Worker and Community Right-To-Know (RTK) Information

Chemical Name	CAS #	State(s)
Not determined		

Not determined

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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Sections Revised: All