

NFPA HAZARD RATING				U.S. TRANSPORT SUMMARY	
0	Least				
1	Slight	1	Health		
2	Moderate	0	Flammability		
3	High	0	Reactivity		
4	Severe				

Not regulated by the U.S. DOT as a hazardous material. See Section 14 for additional information.

SECTION 1: IDENTIFICATION	
Product Name:	Gravity L 28-0-0 with Max-In® Technology
EPA Registration #:	Exempt
Product ID/Unity #:	1431549
Common Name:	Slow release nitrogen fertilizer
Chemical Description:	Urea-Formaldehyde fertilizer
Recommended Uses:	Fertilizer product-See product label for full 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: Clear colorless liquid with ammoniacal odor. Burning or intense heat may result in discharging toxic gases and irritating fumes. Product may cause oxygen deficiency in confined spaces; follow all OSHA regulations pertaining to confined space entry. See health effects below.	
POTENTIAL HEALTH EFFECTS: Eyes: Flush with clean water for at least 15 minutes. Lift eyelids to facilitate irrigation. See medical attention if eye irritation persists. Skin: Remove contaminated clothing and wash before re-using. Seek medical attention if skin becomes irritated. See medical attention if skin becomes irritated. Inhalation: Remove person to fresh air and assist breathing as needed and seek medical attention. Ingestion: Seek medical attention or call a poison control center immediately. If conscious, have person sip water or milk. Preexisting Conditions: None known. Preexisting respiratory conditions may be aggravated by exposure to mists. 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 substance 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.	

Gravity L 28-0-0

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS		
Ingredient	% (wt)	CAS Reg. #
Formaldehyde	<0.1%	50-00-0
*Ingredients not specifically listed are non-hazardous and are considered to be confidential business information under 29 CFR 1910.1200(j).		

SECTION 4: FIRST AID MEASURES	
Inhalation:	Remove victim to fresh air and assist breathing as needed and seek medical attention.
Ingestion:	Seek medical attention or call a poison control center immediately. If conscious, have person sip water or milk.
Eyes:	Flush with clean water for at least 15 minutes. Lift eyelids to facilitate irrigation. 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 becomes irritated.

SECTION 5: FIRE FIGHTING MEASURES
Suitable Extinguishing Media: Water spray, carbon dioxide, or dry chemical.
Special Fire Fighting Procedures: Wear positive pressure, self-contained breathing apparatus and full bunker gear. Smoke and fumes from fire may contain hazardous components. Contain any liquid runoff.
Hazardous Combustion Products: Toxic gases may be formed in a fire situation.
Unusual Fire and Explosion Hazards: Unvented contains can build up pressure if exposed to heat (fire) and rupture violently. Contain run-off by diking to prevent contamination of water supplies.

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: Do not release into sewers or waterways. Dike spills to prevent contamination to water supplies.
Methods for Clean-up: Contain spills and absorb liquids by covering with clay or other absorbent material. Vacuum, scoop, or sweep up waste and place in a container for disposal. Large Spills: Clean-up personnel should protect against mist inhalation and skin contact. Avoid generating mists. Spills should be cleaned up immediately to prevent spreading. Small Spills: Clean-up personnel should protect against mist inhalation and skin contact. Avoid generating mists. Spills should be cleaned up immediately to prevent spreading.
Other Information: None known

SECTION 7: HANDLING AND STORAGE
Handling: Immediately clean up spills that occur during handling or storage. Keep containers closed when not in use. Transfer product using chemical-resistant plastic or stainless steel tanks, pumps, valves, etc.
Storage: Store in original container in cool, well-ventilated, dry areas away from children, feed and food products and sources of heat. Store at temperatures between 40 and 95°F. Protect from freezing.
Minimum Storage Temperature: Not applicable
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
Formaldehyde (CAS#50-0-0)	0.75 ppm OSHA TWA, 2 ppm STEL		
Respiratory Protection: Seek professional advice prior to respirator selection and use. Follow OSHA respirator regulations (29 CFR 1910.134) and, if necessary, wear a properly <u>FIT TESTED</u> MSHA/NIOSH-approved respirator.			
Engineering Controls: Local Exhaust: Provide general or local exhaust ventilation systems to maintain airborne concentrations below OSHA PELs. Local exhaust ventilation is preferred.			

Protective Gloves: Wear chemically protective gloves.

Eye Protection: Wear dust/chemical safety goggles or safety glasses and full face shield. Contact lenses are not eye protective devices.

Other Protective Clothing or Equipment: Wear chemically protective boots, aprons, and gauntlets to prevent prolonged or repeated skin contact.

Work/Hygienic Practices: Never eat, drink, or smoke in work area. 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):	1.328
Vapor Pressure (mm Hg):	None	Density:	11.08
Vapor Density (Air=1):	Not available	Melting Point/Freezing Point:	32°F
Solubility in Water (wt %):	Miscible	Boiling Point/Range:	Approximately 212°F
Viscosity:	Not available	pH:	Approx. 10
Appearance and odor:	Clear colorless liquid with an ammoniacal odor	Flash Point:	Does not flash

SECTION 10: STABILITY AND REACTIVITY

Reactivity: None known

Chemical Stability: Product stable at room temperature in closed containers under normal storage and handling conditions.

Possibility of Hazardous Reactions: Will not occur.

Conditions to Avoid: Intense heat and flames.

Incompatible Materials: None known.

Hazardous Decomposition Products: Irritating fumes and toxic gases.

SECTION 11: TOXICOLOGICAL INFORMATION

ACUTE TOXICITY

Eye Effects: May cause mild to moderate eye irritation or injury. Repeated or prolonged exposure to vapors released from hot or curing product may cause mild to moderate eye irritation. Symptoms include redness, watering, itching, or a burning sensation in the eyes.

Skin Effects: Not expected to be a primary skin irritant or toxic by skin contact.

Acute Inhalation Effects: Not expected to be toxic by inhalation. However, prolonged inhalation of vapors released from hot or curing product may be irritating to the nose, throat and lungs. Symptoms may include coughing or shortness of breath, nausea, headaches, or dizziness.

Acute Oral Effects: Not expected to be orally toxic. In normal industrial use, ingestion is not considered a probably route of exposure.

Specific Target Organ Toxicity: None known

CHRONIC TOXICITY

Chronic Effects: None known

Carcinogenicity: No component is anticipated to have carcinogenic effects.

Mutagenicity: No component is anticipated to have mutagenic effects.

Teratogenicity: No component is anticipated to have teratogenic effects.

Reproductive Toxicity: No component is anticipated to have effects on the reproductive system.

POTENTIAL HEALTH EFFECTS:

Eyes: May cause mild to moderate eye irritation or injury. Repeated or prolonged exposure to vapors released from hot or curing product may cause mild to moderate eye irritation. Symptoms include redness, watering, itching, or a burning sensation in the eyes.

Skin: Not expected to be a primary skin irritant or toxic by skin contact.

Inhalation: Not expected to be toxic by inhalation. However, prolonged inhalation of vapors released from hot or curing product may be irritating to the nose, throat and lungs. Symptoms may include coughing or shortness of breath, nausea, headaches, or dizziness.

Ingestion: Not expected to be orally toxic. In normal industrial use, ingestion is not considered a probably route of exposure.

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:	Mobile in soil profile. Unknown toxicity to aquatics, birds or plants.
Persistence and degradability:	Not determined
Bioaccumulative Potential:	Not determined
Other adverse effects:	Not determined

SECTION 13: DISPOSAL CONSIDERATIONS	
<p>Waste: Dispose of waste in accordance with applicable Federal, state and local laws and regulations.</p> <p>Container: Triple rinse and recycle the container or dispose of in accordance with Federal, state and local laws and regulations.</p> <p>RCRA Characteristics: It is the responsibility of the individual disposing of this product to determine the RCRA classification and hazard status of the waste.</p>	

SECTION 14: TRANSPORT INFORMATION	
<p>DOT: This product is not regulated by the U.S. Department of Transportation as a hazardous material for ground shipment.</p> <p>(Ground)</p> <p>Other Shipping Description:</p>	
<p>IMDG: Not determined</p> <p>(Sea)</p>	
<p>IATA: Not determined</p> <p>(Air)</p>	
<p>TDG: Not determined</p> <p>(Canada)</p>	

SECTION 15: REGULATORY INFORMATION				
<p>TSCA Inventory: All components are listed or are exempt from listing on the TSCA inventory.</p> <p>SARA Title III Information:</p> <p>Section 302 - Extremely hazardous substances: None listed</p> <p>Section 311/312 – Hazard Categories: Immediate: Yes. Delayed: No. Sudden Release of Pressure: No. Fire: No. Reactive: No</p> <p>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: Formaldehyde <0.1%</p>				
<p>CERCLA - This product contains the following chemicals which have a reportable quantity (RQ) under the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA): Formaldehyde has a reportable quantity of 100 lbs (not reached with any practical quantity of product)</p>				
<p>California Proposition 65: WARNING: This product may contain any chemicals known to the state of California to cause cancer and birth defects or reproductive harm.</p>				
<p>U.S. State Worker and Community Right-To-Know (RTK) Information (CT, IL, MA, MN, NH, NJ, PA, RI):</p> <table border="0" style="width: 100%;"> <tr> <td style="width: 40%;">Chemical Name</td> <td style="width: 20%;">CAS #</td> <td style="width: 40%;">State(s)</td> </tr> </table>		Chemical Name	CAS #	State(s)
Chemical Name	CAS #	State(s)		
<p>Canadian Domestic Substances List: Not determined</p>				
<p>WHMIS Classification: This product is not approved for use in Canada. WHMIS classification is not determined.</p>				

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: