




### Safety Data Sheet

<b>NFPA HAZARD RATING</b>	<b>U.S. TRANSPORT SUMMARY</b>																														
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 10%; text-align: center;">0</td> <td style="width: 15%;">Least</td> <td style="width: 10%;"></td> <td style="width: 10%;"></td> <td style="width: 10%;"></td> <td style="width: 10%;"></td> </tr> <tr> <td style="text-align: center;">1</td> <td>Slight</td> <td style="text-align: center;">3</td> <td colspan="3">Health</td> </tr> <tr> <td style="text-align: center;">2</td> <td>Moderate</td> <td style="text-align: center;">0</td> <td colspan="3">Flammability</td> </tr> <tr> <td style="text-align: center;">3</td> <td>High</td> <td style="text-align: center;">1</td> <td colspan="3">Reactivity</td> </tr> <tr> <td style="text-align: center;">4</td> <td>Severe</td> <td></td> <td></td> <td></td> <td></td> </tr> </table>	0	Least					1	Slight	3	Health			2	Moderate	0	Flammability			3	High	1	Reactivity			4	Severe					 <p style="margin-top: 10px;">See Section 14 for full information.</p>
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SECTION 1: IDENTIFICATION	
<b>Product Name:</b> Gravity® L 0-0-30 <b>EPA Registration #:</b> Exempt <b>Product ID/Unity #:</b> 1593983 <b>Common Name:</b> Potassium Fertilizer <b>Chemical Description:</b> Liquid Potassium Fertilizer <b>Recommended Uses:</b> Agriculture – Potassium Fertilizer – See product label for directions for use. <b>Restrictions for Use:</b> See product label for any potential restrictions on use.	<b>MEDICAL EMERGENCY TELEPHONE NUMBER:</b> 1-877-424-7452 (24hrs)  <b>Non-Emergency Business Inquiries:</b> 1-855-494-6343 Mon – Fri 8am – 5pm (Central Standard Time)
<b>FOR EMERGENCY, SPILL, LEAK, FIRE, EXPOSURE, OR ACCIDENT, CALL:</b> <b>CHEMTREC 1-800-424-9300 (24 hours)</b>	

SECTION 2: HAZARDS IDENTIFICATION	
<b>EMERGENCY OVERVIEW:</b> Corrosive effects. Irritation of eyes and mucous membranes. May cause temporary blindness and severe eye damage. Symptoms may include stinging, tearing, redness, swelling, and blurred vision.	
<b>POTENTIAL HEALTH EFFECTS:</b> <b>Eyes:</b> Causes severe eye burns. Causes serious eye damage. <b>Skin:</b> Causes severe skin burns. <b>Inhalation:</b> May cause irritation to the respiratory system. <b>Ingestion:</b> Causes digestive tract burns. Harmful if swallowed. <b>Preexisting Conditions:</b> Not determined. <b>Chronic Health Effects:</b> None known	
<b>Carcinogenicity</b>	NTP: Not listed                      IARC: Not listed                      OSHA: Not listed
<b>OSHA HCS 2012 CLASSIFICATION:</b> Skin Corrosion/Irritation Category 1; Eye Damage/Irritation Category 1; Acute Toxicity-Oral Category 4	
<b>SIGNAL WORD:</b> DANGER	
<b>HAZARD STATEMENTS:</b> Harmful if swallowed. Causes severe skin burns and eye damage. Causes serious eye damage.	 
<b>PRECAUTIONARY STATEMENTS:</b> <b>Prevention:</b> Do not breathe the mist or vapor. Wash thoroughly after handling. Do not eat, drink or smoke when using this product. Wear protective gloves/protective clothing/eye protection/face protection. <b>Response:</b> If swallowed: Rinse mouth. Do NOT induce vomiting. If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. If inhaled: Remove person to fresh air and keep comfortable for breathing. If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a poison center/doctor. Wash contaminated clothing before reuse.	

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Storage:	Store locked up.
Disposal	Dispose of contents/container in accordance with local/regional/national/international regulations.

### SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Ingredient	% (wt)	CAS Reg. #
Potassium Carbonate	50%	584-08-7
Other components below reportable levels	50%	
*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 victim to fresh air and keep at rest in a position comfortable for breathing. Call a physician or poison control center immediately.
Ingestion:	Call a physician or poison control center immediately. Rinse mouth. Do not induce vomiting. If vomiting occurs, keep head low so that stomach content doesn't get into the lungs..
Eyes:	Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Call a physician or poison control center immediately
Skin:	Take off immediately all contaminated clothing. Rinse skin with water/shower. Chemical burns must be treated by a physician. Call a physician or poison control center immediately. For minor skin contact, avoid spreading material on unaffected skin.
Indication of immediate medical attention and special treatment needed	Provide general supportive measures and treat symptomatically. In case of shortness of breath, give oxygen. Keep victim warm. Keep victim under observation. Symptoms may be delayed.
General information	Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. In the case of accident or if you feel unwell, seek medical advice immediately (show the label where possible). Wash contaminated clothing before reuse.

### SECTION 5: FIRE FIGHTING MEASURES

<b>Suitable Extinguishing Media:</b> Water fog. Foam. Dry chemical powder. Carbon dioxide (CO <sub>2</sub> ).
<b>Unsuitable Extinguishing Media:</b> Do not use water jet as an extinguisher, as this will spread the fire.
<b>Special Fire Fighting Procedures:</b> Move containers from fire area if you can do so without risk.
<b>Hazardous Combustion Products:</b> During fire, gases hazardous to health may be formed.
<b>Fire-fighting equipment/instructions:</b> Self-contained breathing apparatus and full protective clothing must be worn in case of fire.
<b>Specific methods:</b> Move container from fire area if it can be done without risk.
<b>Unusual Fire and Explosion Hazards:</b> None known

### SECTION 6: ACCIDENTAL RELEASE MEASURES

<b>Personal Precautions, protective equipment and emergency procedures:</b> Keep out of low areas. Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Wear appropriate personal protective equipment. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ensure adequate ventilation. Local authorities should be advised if significant spillages cannot be contained. Refer to Section 8 for personal protective equipment to be worn during containment and clean-up of a spill involving this product.
<b>Environmental Precautions</b> Prevent further leakage or spillage if safe to do so. Avoid discharge into drains, water courses or onto the ground.
<b>Methods for Containment:</b> Stop the flow of material, if this is without risk
<b>Methods for Clean-up: Large Spills:</b> Dike the spilled material, where this is possible. Cover with plastic sheet to prevent spreading. Absorb in vermiculite, dry sand or earth and place into containers. Prevent entry into waterways,

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sewer, basements or confined areas. Following product recovery, flush area with water.

**Small Spills:** Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination.

**Other Information:** Never return spills in original containers for re-use. For waste disposal, see section 13 of the SDS.

**SECTION 7: HANDLING AND STORAGE**

**Handling:** Do not breathe mist or vapor. Do not get this material in contact with eyes. Do not get this material in contact with skin. Do not taste or swallow. Do not get this material on clothing. Provide adequate ventilation. Wear appropriate personal protective equipment. Observe good industrial hygiene practices. When using, do not eat, drink or smoke. Wash hands thoroughly after handling.

**Storage:** Store locked up. Keep container tightly closed. Store in a cool, dry place out of direct sunlight. Store away from incompatible materials (see Section 10 of the SDS).

**Other Precautions:** Consult Federal, state and local laws and regulations pertaining to storage.

**SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION**

**Occupational exposure limits:** No exposure limits noted for ingredient(s).

**Biological limit values:** No biological exposure limits noted for the ingredient(s).

**Respiratory Protection:** Wear suitable respiratory protection.

**Engineering Controls:** Provide eyewash station.

**Protective Gloves:** Wear protective gloves.

**Eye Protection:** Wear eye/face protection. Wear safety glasses with side shields (or goggles).

**Other Protective Clothing or Equipment:** Wear appropriate chemical resistant clothing. It may provide little or no thermal protection.

**Thermal Hazards:** Wear appropriate thermal protective clothing, when necessary.

**Work/Hygienic Practices:** When using, do not eat, drink or smoke. Do not get this material on clothing. Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants. Wash hands after handling and before eating.

**SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**

<b>Physical State:</b>	Liquid	<b>Specific Gravity (H<sub>2</sub>O=1):</b>	Not available
<b>Vapor Pressure (mm Hg):</b>	0.00001 hPa estimated	<b>Density (lbs/gallon):</b>	12.1 lbs/gal
<b>Vapor Density (Air=1):</b>	Not available	<b>Salt Out/Crystallization:</b>	Not available
<b>Solubility in Water (wt %):</b>	Not available	<b>Melting point/freezing point</b>	1635.8°F (891 °C) estimated
<b>Viscosity:</b>	Not available	<b>Boiling Point/Range:</b>	Not available
<b>Appearance and odor:</b>	Not available	<b>pH:</b>	11 - 13
		<b>Flash Point:</b>	Not available

**SECTION 10: STABILITY AND REACTIVITY**

**Reactivity:** The product is stable and non-reactive under normal conditions of use, storage and transport.

**Chemical Stability:** Material is stable under normal conditions.

**Possibility of Hazardous Reactions:** Does not occur.

**Conditions to Avoid:** Reacts violently with strong acids. This product may react with oxidizing agents. Do not mix with other chemicals.

**Incompatible Materials:** Oxidizing agents. Acids.

**Hazardous Decomposition Products:** No hazardous decomposition products are known.

**SECTION 11: TOXICOLOGICAL INFORMATION****ACUTE TOXICITY**

**Eye Effects:** Causes severe eye burns. Causes serious eye damage.

**Skin Effects:** Causes severe skin burns.

**Acute Inhalation Effects:** May cause irritation to the respiratory system.

**Acute Oral Effects:** Causes digestive tract burns. Harmful if swallowed.

**Specific Target Organ** Due to lack of data the classification is not possible.

**Toxicity:**

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### CHRONIC TOXICITY

Chronic Effects:	Not determined.
Carcinogenicity:	Due to lack of data the classification is not possible.
Mutagenicity:	No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.
Teratogenicity:	No components are anticipated to have teratogenic effects.
Reproductive Toxicity:	Due to lack of data the classification is not possible.
<b>POTENTIAL HEALTH EFFECTS:</b>	
Eyes:	Causes severe eye burns. Causes serious eye damage.
Skin:	Causes severe skin burns.
Inhalation:	May cause irritation to the respiratory system.
Ingestion:	Causes digestive tract burns. Harmful if swallowed.

### SECTION 12: ECOLOGICAL INFORMATION

**ENVIRONMENTAL SUMMARY:** The product is not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.

#### ECOTOXICITY DATA:

Fish Acute and Prolonged Toxicity:	Estimated 96 hr LC50 for Rainbow Trout = 68 mg/L (Estimates for product may be based on additional component data not shown)
Aquatic Invertebrate Acute Toxicity:	Estimated 48 hr EC50 for Daphnia Magna = 430 mg/L (Estimates for product may be based on additional component data not shown)
Aquatic Plant Toxicity:	Not determined.
Bird Acute and Prolonged Toxicity:	Not determined.
Honeybee Toxicity:	Not determined.

#### ENVIRONMENTAL EFFECTS:

Soil Absorption/Mobility:	Not available.
Persistence and degradability:	No data is available on the degradability of this product.
Bioaccumulative Potential:	Not available.
Other adverse effects:	No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component.

### SECTION 13: DISPOSAL CONSIDERATIONS

**Disposal Instructions:** Collect and reclaim or dispose in sealed containers at licensed waste disposal site. This material and its container must be disposed of as hazardous waste. Do not allow this material to drain into sewers/water supplies. Do not contaminate ponds, waterways or ditches with chemical or used container. Dispose of contents/container in accordance with local/regional/national/international regulations.

**Hazardous waste code:** The waste code should be assigned in discussion between the user, the producer and the waste disposal company.

**Waste from residues/unused products:** Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see: Disposal instructions).

**Contaminated packaging:** Empty containers should be taken to an approved waste handling site for recycling or disposal. Since emptied containers may retain product residue, follow label warnings even after container is emptied.

**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: (Ground)	UN number: UN3266, Corrosive liquid, basic, inorganic, n.o.s. (Potassium Carbonate), 8, PG III
IMDG: (Sea)	UN number: UN3266, Corrosive liquid, basic, inorganic, n.o.s. (Potassium Carbonate), 8, PG III
IATA: (Air)	UN number: UN3266, Corrosive liquid, basic, inorganic, n.o.s. (Potassium Carbonate), 8, PG III
TDG: (Canada)	Not determined

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## SECTION 15: REGULATORY INFORMATION

**US federal regulations:** This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

**CERCLA Hazardous Substance List (40 CFR 302.4):** Not listed.

**TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D):** Not regulated.

**SARA 304 Emergency release notification:** Not regulated.

**OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050):** Not listed.

**Superfund Amendments and Reauthorization Act of 1986 (SARA):**

**Hazard categories:** Immediate Hazard – Yes

Delayed Hazard – No

Fire Hazard – No

Pressure Hazard – No

Reactivity Hazard - No

**Section 302 - Extremely hazardous substances:** Not listed

**Section 311/312 – Hazard Categories:** No

**Section 313 – Not Regulated**

**California Proposition 65:**

**WARNING:** This product contains a chemical known to the State of California to cause birth defects or other reproductive harm.

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

**US. Massachusetts RTK - Substance List -** Not regulated.

**US. New Jersey -** Not listed.

**US. Pennsylvania -** Not listed.

**US. Rhode Island RTK -** Not regulated

**International Inventories**

Country(s) or region	Inventory name	On inventory (yes/no)*
Australia	Australian Inventory of Chemical Substances (AICS)	Yes
Canada	Domestic Substances List (DSL)	Yes
Canada	Non-Domestic Substances List (NDSL)	No
China	Inventory of Existing Chemical Substances in China (IECSC)	Yes
Europe	European Inventory of Existing Commercial Chemical Substances (EINECS)	Yes
Europe	European List of Notified Chemical Substances (ELINCS)	No
Japan	Inventory of Existing and New Chemical Substances (ENCS)	Yes
Korea	Existing Chemicals List (ECL)	Yes
New Zealand	New Zealand Inventory	Yes
Philippines	Philippine Inventory of Chemicals and Chemical Substances (PICCS)	Yes
United States & Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	Yes

\*A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s)

A "No" indicates that one or more components of the product are not listed or exempt from listing on the inventory administered by the governing country(s).

**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.

**Initial Date:** September 10, 2015

**Supersedes document dated:**

**Sections Revised:**