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

See Section 14 for full information.

SECTION 1: IDENTIFICATION

Product Name: Gravity® L 0-0-30
EPA Registration #: Exempt
Product ID/Unity #: 1593983
Common Name: Potassium Fertilizer
Chemical Description: Liquid Potassium Fertilizer
Recommended Uses: Agriculture – Potassium Fertilizer – See product label for directions for use.
Restrictions for Use: See product label for any potential restrictions on use.

Manufactured For:	MEDICAL EMERGENCY TELEPHONE NUMBER: 1-877-424-7452 (24hrs)
WINFIELD SOLUTIONS, LLC P. O. Box 64589 St. Paul, MN 55164-0589	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: 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.

POTENTIAL HEALTH EFFECTS:
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.
Preexisting Conditions: Not determined.
Chronic Health Effects: None known

Carcinogenicity — NTP: Not listed — IARC: Not listed — OSHA: Not listed

OSHA HCS 2012 CLASSIFICATION: Skin Corrosion/Irritation Category 1; Eye Damage/Irritation Category 1; Acute Toxicity-Oral Category 4

SIGNAL WORD: DANGER

HAZARD STATEMENTS:
Harmful if swallowed.
Causes severe skin burns and eye damage.
Causes serious eye damage.

PRECAUTIONARY STATEMENTS:
Prevention: Do not breathe 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.
Response: 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.

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(i).

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

Suitable Extinguishing Media: Water fog. Foam. Dry chemical powder. Carbon dioxide (CO2).
Unsuitable Extinguishing Media: Do not use water jet as an extinguisher, as this will spread the fire.
Special Fire Fighting Procedures: Move containers from fire area if you can do so without risk.
Hazardous Combustion Products: During fire, gases hazardous to health may be formed.
Fire-fighting equipment/instructions: Self-contained breathing apparatus and full protective clothing must be worn in case of fire.
Specific methods: Move container from fire area if it can be done without risk.
Unusual Fire and Explosion Hazards: None known

SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal Precautions, protective equipment and emergency procedures: 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.

Environmental Precautions Prevent further leakage or spillage if safe to do so. Avoid discharge into drains, water courses or onto the ground.
Methods for Containment: Stop the flow of material, if this is without risk

Methods for Clean-up: **Large Spills**: 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,

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

Physical State:	Liquid	Specific Gravity (H_2O=1):	Not available
Vapor Pressure (mm Hg):	0.00001 hPa estimated	Density (lbs/gallon):	12.1 lbs/gal
Vapor Density (Air=1):	Not available	Salt Out/Crystallization:	Not available
Solubility in Water (wt %):	Not available	Melting point/freezing point	1635.8°F (891 °C) estimated
Viscosity:	Not available	Boiling Point/Range:	Not available
Appearance and odor:	Not available	pH:	11 - 13
		Flash Point:	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 Toxicity:	Due to lack of data the classification is not possible.

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.

POTENTIAL HEALTH EFFECTS:

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

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.

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Sections Revised: