



2151 34TH WAY N. - LARGO, FL 33771

(727) 531-8796 - WWW.FLO-TECINC.COM

SAFETY DATA SHEET

Product Name: GroWater
SDS# 5181

Effective Date: June 1, 2024
Revision 1A

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

IDENTIFICATION

Product Name: GroWater
Synonyms: Grow H2O
Recommended Uses: Irrigation Additive

COMPANY IDENTIFICATION

Manufactured By: Flo-Tec Inc.
2151 34th Way N.
Largo FL 33771
(727) 531-8796

EMERGENCY TELEPHONE NUMBER

24-Hour Emergency Telephone Number: CHEM-TREC 800-424-9300

2. HAZARD(S) IDENTIFICATION

2.1 Classification of the substance or mixture

Acute Toxicity - Oral Category 4 (H302)
Eye Damage/Irritation Category 2B (H320)

2.2 Label Elements



Signal Word: WARNING

Hazard Statement: H302 - Harmful if Swallowed.

H320 - Causes eye irritation.

H313 - May be harmful in contact with skin.

H333 - May be harmful if inhaled.



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Precautionary statement:

Prevention: Observe good industrial hygiene practices.

Response: Wash hands after handling.

IF SWALLOWED: Call a poison center or doctor if you feel unwell. Rinse mouth.

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and safe to do so. Continue rinsing. If eye irritation persists seek medical attention.

Storage: Store away from incompatible materials. Store in a well-ventilated place. Keep container tightly closed. Store locked up. Store in accordance with local, regional, national, and international regulations.

Disposal: Dispose of contents and container in accordance with local, regional, national, and international regulations.

Hazard(s) not otherwise classified (HNOC): None known.

3. COMPOSITION INFORMATION

Manufactured from Urea, Zinc Oxide, Ammonium Nitrate, Potassium Acetate, Manganese Sulfate, Iron and other proprietary chemistries. Weights and percentages withheld as this product formulation is proprietary.

4. FIRST AID PROCEDURES

INHALATION: Remove to fresh air. If breathing discomfort occurs and persists, see a medical doctor.

EYE CONTACT: Rinse with water slowly and gently for 15-20 minutes. Remove contact lenses if present and



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safe to do so. Get medical attention if irritation develops or persists.

SKIN CONTACT: Wash off with soap and water. Remove and dispose contaminated clothing. Rinse with plenty of water for 15-20 minutes. Get medical attention if irritation develops or persists.

INGESTION: Rinse mouth. Get medical attention if symptoms occur. Do not induce vomiting, unless told to do so by doctor or poison control center. Do not give anything by mouth to an unconscious person.

MOST IMPORTANT SYMPTOMS (ACUTE & DELAYED): Direct contact with eyes may cause temporary irritation. Treat symptomatically. Harmful if swallowed.

NOTES TO PHYSICIAN: Refer to SDS for further information.

5. FIRE FIGHTING MEASURES

FLAMMABLE PROPERTIES: No known fire or explosion hazards known to be related to this product.

EXTINGUISHING MEDIA: Water spray. Foam. Dry chemical powder. Carbon dioxide(CO₂). Use media suitable for the material that is burning. Do not use water jet as an extinguisher, as this will spread fire.

FIRE FIGHTING PROCEDURES: Move containers from area if it can be done safely. Cool fire-exposed containers with water from side. Use flooding quantities of water only. Use water spray to keep all



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containers cool. Fight fire from protected or removed distance. Chemical type extinguishers are not very effective. Use proper personal protective equipment and positive pressure self-contained breathing apparatus.

SPECIAL PROTECTIVE EQUIPMENT FOR FIREFIGHTERS: As in any fire, wear NIOSH/MSHA approved, pressure-demand self-contained breathing apparatus and full protective gear.

UNUSUAL FIRE AND EXPLOSION HAZARDS: During a fire, oxides of carbon and silicon dioxide can be released.

HAZARDOUS COMBUSTION PRODUCTS: During fire, gases hazardous to health may be formed.

POLYMERIZATION: Will not occur.

STATIC DISCHARGE: N/A

6. ACCIDENTAL RELEASE MEASURES

STEPS TO BE TAKEN IF MATERIAL IS SPILLED: Always approach spills from upwind. Small spills may be absorbed with appropriate and compatible material (if approved by local and environmental agencies). For larger spills, dike well ahead of spill with non-reactive material such as sand. Stop flow of material if safe to do so. Never return spilled material to original containers for re-use. For waste disposal, see section 13 of this SDS.

PERSONAL PRECAUTIONS: Avoid inhalation of dust, vapors/spray and contact with eyes, skin and clothing. Keep



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unnecessary personnel away. Keep people away from and upwind of spill/leak. Wear appropriate personal protective equipment. Ensure adequate ventilation. Local authorities should be advised if significant spillage cannot be contained. For personal protection, see section 8 of this SDS. Wash before eating, drinking or using tobacco products.

ENVIRONMENTAL PRECUTIONS: Do not allow undiluted material to enter storm or sanitary sewer systems or the environment. Dispose in accordance with state, local and federal laws. Notify local authorities in case of spillage to drain/aquatic environment. Avoid discharge into drains, water courses or onto the ground.

OTHER PRECAUTIONS: N/A

7. HANDLING AND STORAGE

General Handling	Store drums in upright position only. Transfer product from drums to process in a closed system. Empty drums as thoroughly as possible. Never return product to original container.
Ventilation	Always handle product in a well-ventilated area.
Storage	Store in original containers only. KEEP CONTAINER TIGHTLY CLOSED WHEN NOT IN USE, LOSS OF AMMONIA MAY CAUSE PRODUCT TO SOLIDIFY. Store in a cool, dry, well-ventilated place, preferably in a locked storage area. Store out of direct sunlight. Do not contaminate water, food or feed by storage or disposal.
Other Precautions	N/A



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8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

Occupational exposure limits: The following constituents are the only constituents of the product which have a PEL, TLV or other recommended exposure limit. At this time, the other constituents have no known exposure limits.

U.S. Workplace Exposure Level (ACGIH) STEL/CEIL Guides:

Components	Type	Value	Form
Ammonia	TWA	17 mg/m3	Aerosol
Zinc Oxide	TWA	2 mg/m3	Aerosol
Proprietary component	TWA	25 mg/m3	Aerosol

U.S. Workplace Exposure Level (OSHA) PELs Guides:

Components	Type	Value	Form
Ammonia	TWA	35 mg/m3	Aerosol
Zinc Oxide	TWA	5 mg/m3	Respirable fraction
Proprietary component	TWA	25 mg/m3	Aerosol

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

ENGINEERING CONTROLS:

Engineering measures: Provide adequate general and local exhaust ventilation. Observe Occupational Exposure Limits and minimize the risk of inhalation of vapors and spray mists. Provide eyewash station and safety shower.

PERSONAL PROTECTION:



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EYES & FACE: Wear safety glasses with side shields or face shield.

SKIN: Wear appropriate chemical resistant gloves.

RESPIRATORY: In case of insufficient ventilation, wear suitable respiratory equipment. Respiratory protection may be required based on the task hazards and potential for exposure.

THERMAL: Wear appropriate thermal protective clothing, when necessary.

PROTECTIVE CLOTHING: Heavy rubber or vinyl gloves. Rubber boots, vinyl or rubber protective suit to protect skin and clothing contact.

General Hygiene Considerations: Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or using tobacco products. Routinely wash work clothing and protective equipment to remove contaminants.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State: Liquid

Appearance: Carmel color

Odor: mild

Specific Gravity (H₂O=1): 1.15 @ 25° C

Initial Boiling Point: 212° F estimated



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Flash Point: N/A

Solubility in Water: Soluble

pH: 6-7 (neat)

Auto-Ignition Temperature: N/A

10. STABILITY AND REACTIVITY

STABILITY/INSTABILITY

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

Stability: Stable under normal conditions (expected shelf-life one year, when stored at temperatures <86° F.

Possibility of Hazardous Reactions: No dangerous reaction known under normal use conditions.

Conditions to Avoid: Contact with incompatible materials. Storage, piping or handling systems made of brass, copper or galvanized metals may be subject to mild corrosion from prolonged or repeated contact with this product in its concentrated form.

Incompatible Materials: Strong oxidizers.

Thermal Decomposition: N/A

HAZARDOUS POLYMERIZATION or DECOMPOSITION: May include but are not limited to oxides of sulfur, ammonia, and oxides of nitrogen.



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11. TOXICOLOGICAL INFORMATION

CARCINOGENICITY: Due to partial or complete lack of data the classification is not possible.

ROTES OF EXPOSURE:

ACUTE HEALTH EFFECTS

Eyes: Irritation.

Skin: irritation.

Dermal: N/A

Inhalation: No data for available for this product.

Ingestion: Severe Irritation

Aspiration Hazard: N/A

Chronic Effects: Prolonged inhalation may be harmful.

12. ECOLOGICAL INFORMATION

ECOTOXICITY: A toxic hazard to fish. Avoid spills or release to watercoourses. The product is not classified as environmentally hazardous. However, this product is not intended for use in aquatic settings.

Ecotoxicological Data:

Concentrated/Blended Product:

	Rate	Species	Test Results
Aquatic	LC50	Fathead Minnow	300.82 mg/l, 96 hours
	EC50	Daphnia magna	>300.82 mg/l, 48 hours

Persistence and degradability: No data available.



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Bioaccumulation potential: No data available.

Mobility in soil: No data available.

Other adverse effects: No other adverse environmental effects are expected from this component.

13. DISPOSAL CONSIDERATIONS

DISPOSAL INSTRUCTIONS: Collect and reclaim or dispose in sealed containers at a licensed waste disposal site or collection.

Waste from Residue/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: Since emptied containers may retain product residue, follow label/SDS warnings even after container is emptied. Empty containers should be taken to an approved waste handling site for recycling or disposal. Do not refill containers with any other product.

14. TRANSPORT INFORMATION

U.S.D.O.T.

Proper Shipping Name:

Not regulated as dangerous goods. Ships under the name Product Name above.



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IATA

Proper Shipping Name:

Not regulated as dangerous goods. Ships under the
name Product Name above.

IMDG

Proper Shipping Name:

Not regulated as dangerous goods. Ships under the
name Product Name above.

15. REGULATORY INFORMATION

HMIS (Hazardous Materials Identification System)

Health 1, Flammability 0, Reactivity 1, PPE: B

NFPA Ratings

Health 1, Flammability 0, Instability 1

SARA Hazard Notification/Reporting

SARA Title III Hazard Category:

Immediate:Y

Delayed:N

Fire:N

Reactivity:N

Sudden Release of Pressure:N

Reportable Quantity (RQ) under U.S. CERCLA: Ammonia (CAS 7664-41-7) 100 pounds.

SARA, Title III, Section 313: Ammonia (CAS 7664-41-7); Zinc
compounds

RCRA Waste Code: Not listed

CA Proposition 65: Not Applicable.



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16. OTHER INFORMATION

Issue Date: 06-01-2024
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ADDITIONAL INFORMATION: N/A

Additional information about this product may be obtained
by calling Flo-Tec Inc. at 800-335-6832 or 727-531-8796.

HAZARDOUS RATING SYSTEM: Non-Rated

RECOMMENDED USES AND RESTRICTIONS

FOR INDUSTRIAL USE ONLY

A partial list of examples include agricultural,
turf, nursery, water treatment, irrigation, etc.

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