

SAFETY DATA SHEET

Clean Water Grow

All-Purpose Plant Food



Section 1: Identification

Product identifier:

Clean Water Grow
All Purpose Plant Food, 14-15-11

Recommended use:

Fertilizer.

Emergency contact during transportation:

CHEMTREC (800) 424-9300

Manufacturer:

Wilbur Ellis Company
345 California Street, 27th floor
San Francisco, CA 94104 U.S.A.
P: (415) 772-4000 F: (415) 772-4011

SDS contact information:

SDS@wilburellis.com

Section 2: Hazard(s) Identification

Pictograms:**Signal word:**

Warning

Hazard statements:

Causes serious eye irritation. Causes skin irritation.

Precautionary statements:

Wash hands thoroughly after handling. Wear eye and face protection. Wear protective gloves.

Response statements:

If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical attention. IF ON SKIN: Wash with plenty of water. If skin irritation occurs: Get medical attention. Take off contaminated clothing and wash it before reuse.

Storage statements:

See SDS Section 7 for storage recommendations.

Disposal statements:

See SDS Section 13 for disposal recommendations.

Hazards not otherwise classified:

Avoid contact with moisture. Hydrolysis may slowly produce acids corrosive to metals.

55% of this mixture (struvite) consists of ingredients with unknown acute animal toxicity.

Hazard classifications:

Serious Eye Damage/Irritation, Category 2
Skin Damage/Irritation, Category 2

Section 3: Composition/Information on Ingredients

Chemical name	CAS #	Wt. %
Ammonium Nitrate	6484-52-2	6-8
Magnesium Ammonium Phosphate, Hexahydrate (Struvite)	15490-92-2	54-56
Potassium Chloride	7447-40-7	18-20
Non-hazardous ingredients	--	Balance

Product EPA Registration #: N/A

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Section 4: First-Aid Measures

Inhalation:

Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration.

Skin contact:

Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Get medical attention if irritation persists.

Eye contact:

Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing. Get medical attention if irritation persists.

Delayed symptoms:

None known.

Ingestion:

Call a poison control center or doctor immediately. Do not induce vomiting unless directed to do so by a poison control center or doctor. Do not give anything to an unconscious person.

Acute symptoms:

Causes eye irritation. Cause skin irritation. May be harmful if ingested; nausea, diarrhea or vomiting. May cause respiratory tract irritation if inhaled in dust form.

Indication of immediate medical attention or special treatment:

Trouble breathing, persisting skin or eye irritation, nausea or vomiting.

Section 5: Fire-Fighting Measures

Suitable extinguishing media:

Use water spray or other appropriate media for surrounding fire.

Unsuitable extinguishing media:

Do not use direct water stream on burning material.

Hazardous decomposition products:

May decompose to produce toxic oxides of carbon, potassium, nitrogen, sulfur, phosphorus and magnesium.

Special protective equipment and precautions for fire fighters:

Wear self-contained breathing apparatus with full positive pressure face piece and appropriate protective clothing.

Section 6: Accidental Release Measures

Accidental release measures:

Avoid contact with skin, eyes, and clothing. Avoid inhaling dust. For large spills, evacuate the area and notify emergency responders. For small spills, collect with clean plastic shovel and bin while wearing appropriate PPE as described in Section 8.

Cleanup measures:

Collect with clean, plastic shovel and bin while wearing appropriate PPE as described in Section 8. Avoid discharge to the drain and environment. Place contaminated absorbent in a clean, closed plastic container for waste disposal. See Section 13 for waste disposal recommendations.

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Section 7: Handling and Storage

Handling:

Avoid contact with skin, eyes, and clothing. Avoid generating and inhaling dust. Wear protective clothing described in Section 8. Wash thoroughly after handling. Remove immediately contaminated clothing and PPE. Wash contaminated clothing before reuse. Maintain exposures below permissible limits described in Section 8.

Storage:

Do not contaminate water, food or feed by storage, disposal or cleaning of equipment. Keep container tightly sealed when not in use. Avoid temperature extremes. Do not store with incompatible materials like easily oxidizable materials, metal powders, and strong acids.

Section 8: Exposure Controls / Personal Protection

Ingredient	OSHA 8hr PEL	NIOSH 10hr REL	NIOSH 15 min. ST	NIOSH IDLH
Ammonium Nitrate (as ammonia)	50 ppm (NH ₃)	25 ppm (NH ₃)	35 ppm (NH ₃)	300 ppm (NH ₃)
Struvite	15 mg/m ³ (Total) 5 mg/m ³ (Respirable)	15 mg/m ³ (Total) 5 mg/m ³ (Respirable)	N/E	N/E
Potassium Chloride	15 mg/m ³ (Total) 5 mg/m ³ (Respirable)	15 mg/m ³ (Total) 5 mg/m ³ (Respirable)	N/E	N/E

Ventilation: Provide sufficient general and local ventilation to maintain exposures below permissible limits.

Respiratory protection: If ventilation is not adequate to maintain exposures below permissible limits, use an air purifying respirator with appropriate cartridge or supplied air. Inspect and test respiratory protection before use.

Skin protection: Wear chemical resistant gloves and protective clothing. Inspect protective gloves and clothing before use. Do not use gloves or protective clothing that show signs of permeation or degradation.

Eye protection: Wear safety glasses or goggles. Inspect eye and face protection before use. Do not use degraded eye or face protection. Maintain a safety shower and eye wash facility in the work area.

Section 9: Physical and Chemical Properties

Auto-ignition temperature	N/A	Odor threshold	N/E
Boiling point	N/A	Partition coefficient	N/E
Color	Gray and Red Mix	pH	N/A
Decomposition temperature	N/E	Physical State	Granular Mixture
Evaporation rate	N/E	Density	59.43 lbs/ft ³
Flammability	N/A	Solubility in water	N/E
Flash point	N/A	Upper flammability limit	N/A
Lower flammability limit	N/A	Vapor density	N/A
Melting/freezing point	N/E	Vapor pressure	N/A
Odor	Mild ammonium	Viscosity	N/A

Product EPA Registration #: N/A

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Section 10: Stability and Reactivity

Chemical stability:

Stable under normal storage and handling conditions. Solid ammonium nitrate may become unstable and/or explosive when sensitized by organic/oxidizable materials or during decomposition.

Hazardous reactions:

Contact with strong acid may produce hydrogen chloride gas; contact with hot nitric acid may produce toxic nitrosyl chloride.

Conditions to avoid:

Avoid temperature extremes.

Incompatible materials:

Strong acids, metal powders, and oxidizing agents. Contact with strong acid may produce hydrogen chloride gas; contact with hot nitric acid may produce toxic nitrosyl chloride.

Hazardous decomposition products:

May decompose upon heating to produce toxic oxides of carbon, potassium, nitrogen, sulfur, phosphorus, magnesium, and ammonia

Section 11: Toxicological Information

Ingredient	Toxicity value	Source
Ammonium Nitrate	Oral Rat LD ₅₀ >2000 mg/kg	International Program on Chemical Safety
Struvite	Oral Rad LD ₅₀ , No data	No data
Potassium Chloride	Oral Rat LD ₅₀ >2000 mg/kg	National Library of Medicine - HSDB

NTP: This product contains no ingredients identified by the NTP as a known, or anticipated carcinogen.

IARC: This product contains no ingredients identified by the IARC as a confirmed, possible or probable human carcinogen.

OSHA: This product contains no ingredients identified by OSHA as a carcinogen, or potential carcinogen.

Exposure Symptoms and Effects

Dermal: Causes skin irritation; red, dry skin.

Ocular: Causes eye irritation; red, watery, irritated eyes.

Inhalation: May cause respiratory irritation if inhaled in dust form; coughing, wheezing, shortness of breath.

Oral: May be harmful if swallowed; nausea, diarrhea or vomiting.

Chronic health effects: None known.

Delayed health effects: None known.

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Section 12: Ecological Information

Ecotoxicity aquatic:

Acute and/or chronic toxicity data for mixture as a whole has not been established. See individual component data below.

Ingredient	Toxicity value	Source
Ammonium Nitrate	LC ₅₀ >5000 mg/l/96hr (fish, estuary, fresh water)	IUCLID Dataset
Struvite	LC ₅₀ , No data	No data
Potassium Chloride	LC ₅₀ >2000 mg/l/96hr (Fish, fresh water)	IUCLID Dataset

Ecotoxicity terrestrial:

No data.

Persistence and degradability:

No data.

Bioaccumulative potential:

A bioaccumulation factor and/or low K_{ow} have not been established for this product.

Mobility in soil:

No data.

Other adverse effects:

Fertilizers containing ammonium nitrate can cause poisoning in livestock and poultry. The conversion of ammonia to nitrites/nitrates by bacteria in aquatic system can reduce the concentration of dissolved oxygen, leading to a toxic aquatic environment.

Section 13: Disposal Considerations

Waste handling and disposal:

Dispose of product in accordance with government waste management regulations. Contact your local treatment, storage and disposal facility or environmental regulatory agencies for guidance on acceptable disposal practices.

Section 14: Transportation Information

UN/NA number: Not regulated for transportation.

UN/NA proper shipping name: N/A

Transport hazard class(es): N/A

Packing group: N/A

Marine pollutant (Yes/No): No.

Transport in bulk: Not regulated for transportation.

Emergency response guide # (ERG #): N/A

Special precautions: May be regulated as a Class 9, Environmentally Hazardous Substance when transported by air or water.

Product EPA Registration #: N/A

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Section 15: Regulatory Information

- TSCA:** All ingredients are listed on the TSCA Chemical Inventory.
- CERCLA RQ:** No ingredients listed.
- EPCRA TPQ:** No ingredients listed.
- EPCRA Section 313** Ammonia and nitrate compounds are listed.
- FIFRA:** This is not a pesticide product.
- Proposition 65:** No ingredients listed.

Section 16: Other Information

SDS Legend:

CAS = Chemical Abstract Services registry number; CERCLA = Comprehensive Environmental Response, Compensation, and Liability Act; GHS = Globally harmonized system of classification and labeling of chemicals; IARC = International Agency for Research on Cancer; mg/l = Milligrams per liter; mg/m³ = Milligrams per cubic meter; mmHg = Millimeters of mercury; SDS = (Material) Safety Data Sheet; N.O.S. = Not otherwise specified; NTP = National Toxicology Program; OSHA/PEL = Occupational Safety and Health Administration 8hr Permissible Exposure Limit; RQ = Reportable quantity; STOT = Specific Target Organ Toxin; STP = Standard conditions for temperature and pressure; TSCA = Toxic Substance Control Act; UN/NA = United Nations/North American.

Disclaimer:

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Revision history:

13 December 2013 New SDS.