

SECTION 1: Identification of the substance/mixture and of the company/undertaking

<u>Product identifier on label</u>	VerdeLNX GRN BASE K
<u>Use</u>	Fertilizer
<u>Supplier or Manufacturer</u>	Aquatrols Corporation of America 1273 Imperial Way Paulsboro, NJ 08066 Phone number: 1-856-537-6003 info@aquatrols.com
<u>Emergency telephone</u>	FOR EMERGENCIES INVOLVING A SPILL, LEAK, FIRE, EXPOSURE OR ACCIDENT CONTACT: CHEMTREC 800-424-9300 within the United States and Canada, or 703-527-3887 for international collect calls.

SECTION 2: Hazards identification

GHS Classification in accordance with 29 CFR 1910.1200

H315 Skin irritant, Category 2

H319 Eye irritant, Category 2A

H317 Skin sensitization, Category 1

H335 STOT SE 3

H402 Aquatic acute toxicity, Category 3

H412 Aquatic chronic toxicity, Category 3



Pictogram

Signal Word (OSHA)

Warning

Hazard Statements

H315 Causes skin irritation

H317 May cause allergic skin reaction

H319 Causes serious eye irritation

H335 May cause respiratory irritation

H402 Harmful to aquatic life

H412 Harmful to aquatic life with long lasting effects

Precautionary Statements

P261 Avoid breathing dust or vapors

P264 Wash hands thoroughly after handling

P271 Use only outdoors or in a well-ventilated area

P272 Contaminated work clothing should not be allowed out of the workplace

P273 Avoid release to the environment

P280 Wear eye protection, protective gloves, protective clothing

P302+P352 IF ON SKIN: Wash with plenty of soap and water

P304+P340 IF INHALED: Remove person to fresh air and keep at rest in a position comfortable for breathing

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing

P312 Call a POISON CENTER/doctor/physician if you feel unwell

P321 Specific treatment (see Section 4)

P332+P313 If skin irritation occurs: Get medical advice/attention

P333+P313 If skin irritation or rash occurs: Get medical advice/attention

P337+P313 If eye irritation persists: Get medical advice/attention

P362 Take off contaminated clothing and wash before reuse

P362+P364 Take off contaminated clothing and wash it before reuse

P403+P233 - Store in a well-ventilated place. Keep container tightly closed

P405 Store locked up

P501 Dispose of contents/container according to local, regional and national

SECTION 3: Product Composition

Hazardous Components:

Chemical Name	CAS Number	Concentration
---------------	------------	---------------

Alkylpolyglucoside	68515-73-1	< 3.0%
--------------------	------------	--------

The remaining composition of this blend contains non-hazardous components.

SECTION 4: First aid measures

General advice:	Move out of dangerous area. Show this safety data sheet to the doctor in attendance. Do not leave the victim unattended.
First Aid Response:	Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice.
Inhalation:	If inhaled, remove to fresh air and keep at rest in a position comfortable for breathing. Give oxygen or artificial respiration if necessary. Obtain medical attention if breathing difficulty persists.
Ingestion:	If swallowed, do not induce vomiting: seek medical advice immediately and show this SDS or label.
Skin contact:	Wash skin thoroughly with mild soap and water. Obtain medical attention if irritation develops or persists. Wash contaminated clothing before reuse.
Eye Contact:	Immediately rinse with water for a prolonged period (at least 15 minutes) while holding the eyelids wide open. Obtain medical attention if irritation develops or persists.

Most important symptoms and effects, both acute and delayed:

Symptoms/Injuries After Inhalation: Overexposure may be irritating to the respiratory system.

Symptoms/Injuries After Skin Contact: May cause skin irritation.

Symptoms/Injuries After Eye Contact: May cause eye irritation.

Symptoms/Injuries After Ingestion: If a large quantity has been ingested: Abdominal pain. Diarrhea. Nausea. Vomiting.

SECTION 5: Firefighting measures

Suitable extinguishing media:	Not considered flammable but will burn at high temperatures. Use extinguishing media appropriate for surrounding fire/areas.
Specific hazards during firefighting:	Product will decompose at high temperatures. Under conditions of fire this product may produce ammonia, nitrogen oxides, biuret, cyanuric acid. May form explosive compounds if mixed with: Calcium hypochlorite. Sodium hypochlorite. Nitrates. Nitric acid. Perchloric acid.
Special advice/equipment for firefighters:	Wear full firefighting gear and respiratory protection (SCBA). Do not allow run-off from firefighting to enter drains or waterways.

SECTION 6: Accidental release measures

Personal precautions, protective equipment, and emergency procedures

Handle in accordance with good industrial hygiene and safety practice. Wear eye protection, protective gloves, and protective clothing as needed. Evacuate the danger area, observe emergency procedures. Ventilate area. For PPE see Section 8.

Environmental precautions

Do not allow product to enter sewers and public waters. Prevent further leakage or spills if safe to do so. If the product contaminates rivers or drains inform respective authorities. Dispose of in approved landfill in accordance with all applicable federal, state and local regulations. Keep material away from heat, flame, ignition sources and reactive materials.

Methods and materials for containment and cleaning up

Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage and dispose according to local waste disposal act for chemical substances. Store away from other materials.

SECTION 7: Handling and storage

Advice on safe handling

Avoid contact with skin and eyes. For personal protection see section 8. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapor. Do not breathe dust/fume/gas/mist/vapors/spray. Dispose of content and/or container in accordance with local, regional and/or national regulations. Avoid handling conditions which may allow for leaks and spills of this material.

Conditions for safe storage

Keep only in original container and store product in cool, dry, well-ventilated area away from potable water and food or feed supplies. Keep container tightly closed when not in use. Incompatible materials: ammonium nitrate. May be corrosive to copper and its alloys.

SECTION 8: Exposure controls/personal protection

Control parameters permissible exposure limit: Not classified.

Control parameters Occupational exposure limit (TLV): Classification not possible.

Appropriate engineering controls: Avoid all unnecessary exposure. Exposure should be kept as low as is reasonably practicable.

Individual Protection Measurements:

Eyes Protection: Wear safety glasses with side shield, or if needed, chemical safety goggles or face shield.

Skin/Body Protection: Impervious hand protection. It is recommended for handlers to wear appropriate clothing to prevent skin contact.

Ventilation: Provide adequate ventilation.

Respiration protection: Wear an appropriate mask/respirator if necessary, such as handling in confined areas.

Hygiene measures: When using do not eat, drink, or smoke. Wash hands thoroughly after handling.

General Protective and Hygienic Measures The usual precautionary measures for handling chemicals should be followed. Keep away from foodstuffs, beverages and feed. Immediately remove all soiled and contaminated clothing and wash before reuse. Wash hands before breaks and at the end of work. Avoid contact with eyes and skin.

SECTION 9: Physical and chemical properties

Appearance	Deep amber liquid
Odor	Slightly sweet
pH (5% in DI water)	12.0-14.0
Melting point/freezing point (C)	Not measured
Initial boiling point and boiling range (C)	Not measured
Specific Gravity	1.20-1.22
Density (lb/gal)	10.00-10.18
Decomposition temperature (C)	Not measured
Viscosity (cps)	<200 cps

Other information

No other relevant information.

SECTION 10: Stability and reactivity

Reactivity	Product is non-reactive under normal use and storage conditions.
Chemical stability	Chemically stable. No decomposition anticipated if stored and applied as directed.
Possibility of hazardous reactions	Hazardous polymerization will not occur.
Incompatible Materials	Avoid contact with strong acids, strong oxidizers, strong bases, nitrates, hypochlorites, perchlorates, chlorides; can be corrosive to copper and its alloys.
Conditions to avoid	Direct sunlight. Extremely high or low temperatures.
Hazardous decomposition products	Under conditions of fire this material may produce: Nitrogen oxides. Ammonia. Biuret. Carbon oxides (CO, CO2). Formaldehyde.

SECTION 11: Toxicological information

Respiratory or skin sensitization

Skin sensitization	Causes skin irritation.
Respiratory sensitization	Overexposure may be irritating to the respiratory system.
Germ cell mutagenicity	Not classified based on available information.
Carcinogenicity	Not classified based on available information.
Skin corrosion/irritation:	Causes skin irritation. May cause an allergic skin reaction.
Serious eye damage/eye irritation:	Causes serious eye irritation.
Symptoms/effects:	May cause eye, skin and/or respiratory irritation.

SECTION 12: Ecological information

<u>Ecotoxicity</u>	Product can be hazardous to the aquatic environment. Avoid contaminating waterways.
<u>Persistence and degradability</u>	May cause long-term adverse effects in the environment. This product is water soluble and eventually biodegrades. Excess fertilizing materials in a body of water can impact the local environment.
<u>Bioaccumulative potential</u>	No data available.
<u>Mobility in soil</u>	No data available
<u>Aquatic toxicity</u>	No data available
<u>Other adverse effects/information:</u>	Avoid release to the environment.

SECTION 13: Disposal considerations

Safe handling: Wash hands thoroughly after handling. Contaminated clothing to be decontaminated before re-use.

Disposal methods: Dispose of contents and container in a safe manner following all applicable federal, state, and local regulations. Do not allow product to enter waterways. Avoid unintentional release into the environment.

SECTION 14: Transport information

US DOT Not regulated as hazardous for shipment.

SECTION 15: Regulatory information**HMIS Hazard Rating**

Health	2
Flammability	0
Reactivity	0

NFPA Hazard Ratings

Health	2
Flammability	0
Reactivity	0

SECTION 16: Other information

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information, and belief at the date of its publication. Such information is only given as a guidance to help the user handle, use, process, store, transport, dispose, and release the product in satisfactory safety conditions and is not to be considered as a warranty or quality specification. It should be used in conjunction with technical sheets but do not replace them. Thus, the information only relates to the designated specific product and may not be applicable if such product is used in combination with other materials or in another manufacturing process, unless otherwise specifically indicated. It does not release the user from ensuring he is in conformity with all regulations linked to its activity.