


SAFETY DATA SHEET

SECTION 1: IDENTIFICATION OF THE SUBSTANCE / MIXTURE AND OF THE COMPANY		
Product Identifier	GROTEK INSTA-GREEN 3-0-0	
Product Use	Plant fertilizer	
Use restrictions	Do not use for purposes other than those listed on the product label	
Manufacturer Information	Company Name	Greenstar Plant Products Inc.
	Address	9430-198 TH Street, Langley, BC Canada V1M3C8
	Phone Number	604-882-7699
	Email	info@getgreenstar.com
Emergency Phone Number	CHEMTREC 1-800-424-9300 / +1 703-527-3887 (24/7, 365 days/year)	
SECTION 2: HAZARDS IDENTIFICATION		
GHS CLASSIFICATION		
HazCom 2012 GHS	Eye irritation Category 2A Skin irritation Category 2	
WHMIS 2015	Eye irritation Category 2A Skin irritation Category 2	
HAZARD SYMBOL & SIGNAL WORD	HAZARD STATEMENTS	PRECAUTIONARY STATEMENTS
 WARNING	H319: Causes serious eye irritation H315: Causes skin irritation	P264: Wash hands and exposed skin thoroughly after handling P280: Wear protective gloves and eye protection / face protection P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P302+352: IF ON SKIN: Wash with plenty of water. P332+313: If skin irritation occurs, get medical advice / attention. P362+364: Take off contaminated clothing and wash it before reuse
To the current knowledge of the supplier, this product contains no other components or impurities, in the concentrations applicable, that are classified as hazardous to health or the environment or influence the classification of this product		
Other Hazards	Ingested nitrate can alter the blood's ability to carry oxygen leading to methemoglobinemia. Symptoms include blue lips or fingernails and blue skin. Effects may be delayed.	



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SECTION 3: HAZARDOUS INGREDIENTS

Hazardous Ingredients		
CAS#	Substance name	%
10377-60-3	Magnesium nitrate	7%
6484-52-5	Ammonium nitrate	3%
10124-37-5 & 6484-52-2	Calcium ammonium nitrate	10%

SECTION 4: FIRST AID MEASURES

First aid should only be administered by trained personnel. Always assess the environment for immediate dangers before entering the area

EYE CONTACT	Flush eyes with gently flowing water for 15 minutes while holding eyelids open. Remove contact lenses after 5 minutes if present and easy to do. Continue rinsing. Seek immediate medical attention
SKIN CONTACT	Wash skin thoroughly with plenty of water. Seek medical attention if irritation occurs
INHALATION	Remove victim to fresh air. Seek medical attention if irritation persists
INGESTION	If swallowed, DO NOT INDUCE VOMITING unless directed to do so by medical personnel. If vomiting occurs, have victim lean forward with head down to avoid breathing in vomit. Call a doctor if you feel unwell. Seek immediate medical attention if large quantities of this material have been swallowed

Most important symptoms and effects, both acute and delayed

Causes eye irritation. May cause skin, respiratory and digestive tract irritation. Product contains nitrates which can alter the blood's ability to carry oxygen leading to methemoglobinemia. Symptoms include headache, fatigue, dizziness, blue lips, fingernails and skin. Higher levels can cause trouble breathing, and collapse.

SECTION 5: FIRE FIGHTING MEASURES

Flammable	Will not burn or support combustion
Suitable extinguishing media	Use an extinguishing agent suitable for the surrounding fire. Use water spray to dilute toxic gases
Unsuitable extinguishing media	None known
Hazardous Combustion Products	Nitrogen oxides, calcium oxide, magnesium oxide

Advice for fire-fighters



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Special protective equipment for firefighters	Self-contained breathing apparatus and full protective clothing should be worn when fighting chemical fires	
Special fire fighting procedures	In the event of fire, use water spray to cool closed containers and knock-down toxic gases	
SECTION 6: ACCIDENTAL REALEASE MEASURES		
SPILL & LEAK PROCEDURES	<p>Wear personal protection equipment outlined in SECTION 8. Ventilate area. Contain spill and adsorb with inert material. Shovel or sweep spilled material into dry labeled containers for disposal. Flush area with water after clean-up</p> <p>Product is a plant nutrient and can contribute to overgrowth of aquatic vegetation. Do not allow product or rinsing water to enter storm sewers, sanitary sewers, groundwater or soil</p>	
SECTION 7: HANDLING AND STORAGE		
Precautions for safe handling	Avoid contact with eyes, skin and clothing. Wear personal protection equipment outlined in SECTION 8 when handling	
Conditions for safe storage, including incompatibilities	<p>Store in closed containers in a cool, dry, well ventilated area away from food and drink.</p> <p>Incompatibles: Not available</p>	
SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION		
Exposure controls		
Occupational exposure limits	Not available	
Recommended monitoring procedures	Monitor workplace air quality to determine the effectiveness of the ventilation or other control measures and / or the necessity to use respiratory protective equipment	
Engineering controls	No specific ventilation requirements. Avoid the generation of mists. Provide appropriate exhaust ventilation at places where mists may be formed	
Personal protection equipment		
Hygiene measures	Wash hands, forearms and face thoroughly after handling, before eating, smoking and using the toilet and at the end of the work day. Ensure that eyewash stations and safety showers are close to the workstation area	
Eye / Face Protection	Avoid contact with eyes. Wear chemical goggles or face shield to prevent product from entering eyes	
Skin protection	Hand protection	Nitrile, latex or PVC gloves
	Body protection	Wear long sleeved shirt and pants when handling this product



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Respiratory protection		Avoid breathing mists. Use NIOSH approved respirator during a fire or in poorly ventilated areas			
Environmental exposure controls		Avoid release to storm sewers, sanitary sewers, or the environment			
SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES					
Physical state	Liquid	Colour	Green	Odour	NAV
pH	NAV	Density	NAV	Odour threshold	NAV
Flammability	NAV	Melting point	NAV	Boiling point	NAV
Specific gravity	NAV	Melting point	NAV	Decomposition temperature	NAV
Viscosity	NAV	Solubility in water	Product is a liquid		
SECTION 10: STABILITY AND REACTIVITY					
Reactivity	Not reactive under normal conditions of use and storage				
Chemical stability	Stable under normal conditions of use and storage				
Possibility of hazardous reactions	Not available				
Conditions to avoid	Not available				
Incompatibility	Not available				
Hazardous decomposition products	Nitrogen oxides, calcium oxide, magnesium oxide, iron oxide.				
SECTION 11: TOXICOLOGICAL INFORMATION					
Information on Toxicological effects					
Acute toxicity	Mixture is not acutely orally toxic				
Irritation/ Corrosion	Corrosive to the eyes. Irritating to skin, respiratory and digestive tracts				
Sensitization	Not available				
Carcinogenicity	Ingredients not listed by ACGIH, IARC, or NTP as suspected or probable carcinogens. Nitrates or nitrites (ingested) under conditions that result in endogenous nitrosation are classed as 2A (probable human carcinogen) by IARC.				
Mutagenicity	Not available				
Reproductive toxicity	Not available				



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Repeat dose toxicity		Not available
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SECTION 12: ECOLOGICAL INFORMATION		
Toxicity		
Magnesium nitrate:		NAV
Calcium nitrate:		Not acutely toxic to fish and nematodes, and flatworms
Ammonium nitrate:		NAV
Persistence and degradability		
NAV		
Bioaccumulative potential		
NAV		
Mobility in soil		
NAV		
Other adverse effects	Product is a plant nutrient and can contribute to overgrowth of aquatic vegetation. Do not allow product to enter storm sewers, sanitary sewers, groundwater or soil.	
SECTION 13: DISPOSAL CONSIDERATIONS		
Proper waste management of this product and / or its container must be determined in accordance with Directive 2008 / 98 / EC on waste. Recycle or dispose of waste in compliance with current legislation. Do not allow product to enter sewers or the environment.		
SECTION 14: TRANSPORT INFORMATION		
SHIPPING	TDG	Not a dangerous good for transport
	DOT	Not a dangerous good for transport
SECTION 15: REGULATORY INFORMATION		
This product has been classified in accordance with WHMIS 2015 and OSHA HazCom 2012		
DSL: all components of this product are on Canada's DSL list		
TSCA: all components of this product are on US EPA's TSCA Chemical Substances Inventory		
SECTION 16: OTHER INFORMATION		
As of the date of this document, the foregoing information is believed to be accurate and is provided in good faith to comply with applicable laws. However, no warranty or representation of law or fact, with respect to such Information is intended or given.		
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