


## SAFETY DATA SHEET

SECTION 1: IDENTIFICATION OF THE MIXTURE AND OF THE COMPANY			
<b>Product Identifier</b>	<b>GROTEK CAL-MAX 2-0-0</b>		
<b>Product Use</b>	Plant fertilizer		
<b>Uses restrictions</b>	Do not use for purposes other than those listed on the product label		
<b>Manufacturer Information</b>	Company Name	Greenstar Plant Products Inc.	
	Address	9430-198 <sup>TH</sup> Street, Langley, BC Canada V1M3C8	
	Email	info@getgreenstar.com	Phone Number 604-882-7699
<b>Emergency Phone Number</b>	CHEMTREC 1-800-424-9300 / +1 703-527-3887 (24/7, 365 days/year)		
SECTION 2: HAZARDS IDENTIFICATION			
GHS CLASSIFICATION			
<b>HazCom 2012</b>	Eye irritation Category 2A Skin irritation Category 2		
<b>WHMIS 2015</b>	Eye irritation Category 2A Skin irritation Category 2		
HAZARD SYMBOL & SIGNAL WORD	HAZARD STATEMENTS	PRECAUTIONARY STATEMENTS	
  <b>WARNING</b>	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			
<b>Other Hazards</b>	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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### **GROTEK CAL-MAX 2-0-0**

#### **SECTION 3: HAZARDOUS INGREDIENTS**

<b>CAS#</b>	<b>Substance name</b>	<b>Percentage</b>
10377-60-3	Magnesium nitrate	12%
10043-52-4	Calcium chloride	10%
10124-37-5	Calcium nitrate	3%

#### **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

<b>EYE CONTACT</b>	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. If irritation persists, seek medical attention
<b>SKIN CONTACT</b>	Wash skin thoroughly with plenty of water. Seek medical attention if irritation occurs
<b>INHALATION</b>	Remove victim to fresh air. Seek medical attention if irritation persists
<b>INGESTION</b>	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**

Irritating to eyes and skin. Mists may be irritating to respiratory tract. Ingestion of nitrates may interfere with blood's ability to carry oxygen leading to methemoglobinemia. Symptoms include blue lips, fingernails and skin.

#### **Indication of any immediate medical attention and special treatment needed**

Treat symptomatically.

#### **SECTION 5: FIRE FIGHTING MEASURES**

Flammable	Will not burn or support combustion
Suitable extinguishing media	Use an extinguishing agent suitable for the surrounding fire.
Unsuitable extinguishing media	None known
Hazardous Combustion Products	Carbon, nitrogen, sodium, calcium, magnesium and iron oxides, nitric acid, hydrogen chloride and / or chlorine gas may be released during a fire

#### **Advice for fire-fighters**

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



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#### **SECTION 6: ACCIDENTAL REALEASE MEASURES**

SPILL & LEAK PROCEDURES	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. 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.
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#### **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	Store in tightly closed containers in a cool, dry, well ventilated area. Incompatibles: Not available
Environmental precautions	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 8: EXPOSURE CONTROLS / PERSONAL PROTECTION**

##### **Exposure controls**

Occupational exposure limits	No specific exposure limits established for this product	
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 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	Wear safety glasses with side shields, goggles or face shield when handling this product	
Skin protection	Hand protection	Nitrile, latex or PVC gloves
	Body protection	Wear long sleeved shirt and pants when handling this product
Respiratory protection	Avoid breathing mists. Use NIOSH approved respirator during a fire, in poorly ventilated areas	
Environmental exposure controls	Avoid release to storm sewers, sanitary sewers, or the environment.	

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### **GROTEK CAL-MAX 2-0-0**

#### **SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**

<b>Physical state</b>	Liquid	<b>Colour</b>	Amber	<b>Odour</b>	NAV
<b>pH</b>	NAV	<b>Density</b>	NAV	<b>Odour threshold</b>	NAV
<b>Flammability</b>	Not flammable	<b>Melting point</b>	NAV	<b>Boiling point</b>	NAV
<b>Specific gravity</b>	NAV	<b>Melting point</b>	NAV	<b>Decomposition temperature</b>	NAV
<b>Viscosity</b>	NAV	<b>Solubility in water</b>	Product is a liquid	<b>Viscosity</b>	NAV

#### **SECTION 10: STABILITY AND REACTIVITY**

<b>Reactivity</b>	Not reactive under normal conditions of use and storage
<b>Chemical stability</b>	Stable under normal conditions of use and storage
<b>Possibility of hazardous reactions</b>	NAV
<b>Conditions to avoid</b>	NAV
<b>Incompatibility</b>	NAV
<b>Hazardous decomposition products</b>	Carbon, nitrogen, sodium, calcium, magnesium and iron oxides, nitric acid, hydrogen chloride and / or chlorine gas may be released during a fire

#### **SECTION 11: TOXICOLOGICAL INFORMATION**

##### **Information on Toxicological effects**

Acute Toxicity	Does not meet criteria
Irritation/ Corrosion	Irritating to eyes and skin. Mist may irritate respiratory tract.
Sensitization	No data available
Carcinogenicity	Ingredients not listed by by ACGIH, NTP OR CA Prop 65. Nitrates or nitrites (ingested) under conditions that result in endogenous nitrosation are classed as 2A (probable human carcinogen) by IARC
Mutagenicity	NAV
Reproductive toxicity	NAV
Repeated dose toxicity	NAV



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### **GROTEK CAL-MAX 2-0-0**

#### **SECTION 12: ECOLOGICAL INFORMATION**

**Acute Toxicity:**

**Magnesium nitrate:** NAV

**Calcium chloride:** Not acutely toxic to aquatic organisms

**Calcium nitrate:** Not acutely toxic to fish and nematodes, and flatworms

**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**

Dispose of this product and / or its container in accordance with Federal, provincial, state and local regulations. Do not allow product to enter sewers or the environment.

#### **SECTION 14: TRANSPORT INFORMATION**

<b>SHIPPING</b>	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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