


SAFETY DATA SHEET

SECTION 1: IDENTIFICATION OF THE MIXTURE AND OF THE COMPANY		
Product Identifier	GROTEK FISH PLUS 5-1-1	
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
	Address	9430-198 th Street, Langley BC Canada V1M 3C8
	Phone Number	+1-604-882-7699
	Email	CHEMTREC 1-800-424-9300 / +1 703-527-3887 (24/7, 365 days/year)
Emergency Phone Number	+1-604-882-7699	
SECTION 2: HAZARDS IDENTIFICATION		
GHS CLASSIFICATION		
HazCom 2012	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.	
SECTION 3: HAZARDOUS INGREDIENTS		
CAS#	Substance name	
7757-79-1	Potassium nitrate	3.5
10124-37-5	Calcium nitrate	3.5



SAFETY DATA SHEET

6484-52-2	Ammonium nitrate	1.5
GROTEK FISH PLUS 5-1-1		
SECTION 4: FIRST AID MEASURES		
Description of first aid measures		
EYE CONTACT	Rinse with a large gentle stream of water for 15 minutes. Remove contact lenses, if present and easy to do so after 5 minutes. Continue rinsing. If irritation persists, get medical advice / attention	
SKIN CONTACT	Wash with soap and water and rinse with plenty of clean water. If irritation occurs, get medical advice / attention	
INHALATION	Remove victim to fresh air. Seek medical attention if symptoms persist	
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.	
Unsuitable extinguishing media	None known.	
Hazardous Combustion Products	Toxic and irritating gases 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.	
SECTION 6: ACCIDENTAL REALEASE MEASURES		

SAFETY DATA SHEET

SPILL & LEAK PROCEDURES	<p>Wear personal protection equipment outlined in SECTION 8. Ventilate area. Adsorb spill then shovel or sweep spilled material into dry labeled containers for disposal. Avoid the generation of mists. 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>
-------------------------	---

GROTEK FISH PLUS 5-1-1

Precautions for safe handling	Avoid contact with eyes, skin and clothing. Wash exposed skin thoroughly after handling. Wear personal protection equipment outlined in SECTION 8. Avoid the generation of mists.
Conditions for safe storage, including incompatibilities	Store in a cool, dry, well ventilated area.
Environmental precautions	Do not allow product or rinsing water to enter storm sewers, sanitary sewers, groundwater or soil

SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

Control parameters

Occupational exposure limits	No specific limits 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. Provide appropriate exhaust ventilation at places where mists are 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 are close to the workstation area
Eye / Face Protection	Use chemical safety goggles or face shield when there is a potential for eye contact
Hand protection	Wear protective chemical gloves.
Respiratory protection	Avoid breathing mists. Use NIOSH approved respirator during a fire or in poorly ventilated areas
Environmental exposure controls	Do not allow product to enter storm sewers, sanitary sewers, groundwater or soil.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Physical state	Viscous liquid	Colour	Dark brown/black	Odour	Slight fish odour
-----------------------	----------------	---------------	------------------	--------------	-------------------



SAFETY DATA SHEET

pH	4	Density	NAV	Solubility in water	Product is a suspension
Specific gravity	NAV	Melting point	NAV	Decomposition temperature	NAV
Flammable?	Not flammable	Boiling point	NAV	Viscosity	NAV

GROTEK FISH PLUS 5-1-1

SECTION 10: STABILITY AND REACTIVITY

Reactivity	Not available
Chemical stability	Stable under normal conditions of use and storage
Conditions to avoid	Avoid the generation of mists
Incompatibility	Not available
Hazardous decomposition products	Toxic and irritating gases may be released during a fire

SECTION 11: TOXICOLOGICAL INFORMATION

Information on Toxicological effects

Acute Toxicity	Potassium nitrate: LD50 (oral, rat) 3750 mg / kg Calcium nitrate: LD50 (oral, rat) 302 mg / kg Ammonium nitrate: LD50 (oral, rat) 2217 mg / kg Mixture not acutely toxic
Irritation/ Corrosion	May be irritating to eyes, skin, digestive and respiratory tracts
Sensitization	Not available
Carcinogenicity	Ingredients not listed by ACGIH, IARC, and 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	NAV
Reproductive toxicity	NAV
Repeated dose toxicity	NAV

SECTION 12: ECOLOGICAL INFORMATION

Toxicity: Not available

Other adverse effects	Product is a low pH plant nutrient which can contribute to overgrowth of aquatic vegetation and be acutely toxic to aquatic organisms. Do not allow product to enter storm sewers, sanitary sewers, groundwater or soil.
------------------------------	--

SECTION 13: DISPOSAL CONSIDERATIONS



SAFETY DATA SHEET

Dispose of this product and / or its container in accordance with Federal, state, provincial, and local regulations. 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

GROTEK FISH PLUS 5-1-1

SECTION 15: REGULATORY INFORMATION

This product has been classified in accordance with WHMIS 2015 and OSHA HazCom 2012

DSL: all relevant components of this product are Canada's DSL list

TSCA: all relevant components of this product are on 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

Version 2, Print date: December 11th, 2017