

SAFETY DATA SHEET

SECTION 1: IDENTIFICATION OF THE MIXTURE AND OF THE COMPANY

Product Identifier	GROTEK BLOSSOM BLASTER PRO 1-4-0	
Product Use	Fertilizer	
Uses 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	+1-604-882-7699	

SECTION 2: HAZARDS IDENTIFICATION

GHS CLASSIFICATION

HazCom 2012 GHS and WHMIS 2015	Eye Damage / Irritation: Category 1 Reproductive toxicity: Category 1B	
HAZARD SYMBOL & SIGNAL WORD	HAZARD STATEMENTS	PRECAUTIONARY STATEMENTS
  DANGER	Causes serious eye damage May damage fertility or the unborn child	PREVENTION Obtain special instructions before use (see SECTION: 7) Do not handle until all safety precautions have been read and understood. Wear protective gloves / protective clothing / eye protection / face protection FIRST AID If exposed or concerned: Get medical advice/attention. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a doctor. STORAGE: Store locked-up DISPOSAL: Dispose of contents / container in accordance with Federal, state, provincial and local regulations

SECTION 3: HAZARDOUS INGREDIENTS

CAS#	Substance name	Percentage
7664-38-2	Phosphoric acid (85%)	4.4 – 4.6
13598-37-3	Zinc dihydrogen phosphate	0.6 – 0.8
10043-35-3	Boric acid	0.22

Contains 5.4 – 6.5 % of ingredients with unknown toxicity (inhalation)
 Contains 0.8 – 1.6 % of ingredients with unknown toxicity (dermal)



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SECTION 4: FIRST AID MEASURES

EYE CONTACT	Rinse eyes with a large gentle stream of water for 15-20 minutes while holding eyelids open. Remove contact lenses, if present and easy to do. Continue rinsing. Get immediate advice / attention
SKIN CONTACT	Rinse contacted skin with plenty of water. Seek medical attention if irritation persists
INHALATION	Remove victim to fresh air. Seek immediate medical attention if breathing difficulties occur
INGESTION	DO NOT INDUCE VOMITING. Rinse mouth with water. Seek medical attention if you feel unwell or are concerned

Most important symptoms and effects, both acute and delayed

Causes eye damage if product gets in eyes. Boric acid may affect fertility or cause birth defects in offspring. Contains a small quantity of a substance that may cause respiratory or dermal sensitization.

Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

Medical Conditions Aggravated by Exposure

Dermatitis

SECTION 5: FIRE FIGHTING MEASURES

Flammable	Product does 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	Phosphorus oxides, Borane/boron oxides

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	Not available

SECTION 6: ACCIDENTAL RELEASE MEASURES

SPILL & LEAK PROCEDURES	Wear personal protection equipment outlined in SECTION 8. Adsorb spill, then shovel or sweep spilled material into dry labeled containers for disposal. Do not allow product to enter drains, sewers or the environment
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SECTION 7: HANDLING AND STORAGE

Precautions for safe handling	Use caution when opening containers. Do not store in aluminum or steel containers. Keep away from extreme heat and flame. SPECIAL INSTRUCTIONS FOR USER: Wear personal protection equipment outlined in SECTION 8 when handling. Use in a well ventilated area. Do not breathe vapours or mists. Avoid contact with eyes, skin or clothing. Do not wear contact lenses when handling this material. Wash exposed skin thoroughly after handling. Wash contacted clothing before reuse. Avoid the generation of mists/sprays - if unavoidable, use an appropriate respirator.
Conditions for safe storage, including incompatibilities	Store in tightly closed containers in a cool, dry, ventilated area away from incompatibles – Incompatibles: aluminum and steel.
Environmental precautions	Do not release to the environment

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	General ventilation should be adequate. Ensure adequate eye wash stations, and a safety shower if contact or splash hazards exist.

Personal protection equipment

Hygiene measures	Wash hands after handling, before eating, smoking and using the toilet and at the end of the work day.
Eye / Face Protection	Chemical safety goggles or face shield
Skin protection	Chemical protective clothing: gloves, apron, boots, long sleeved shirt and long pants
Respiratory protection	Use suitable respiratory protection in situations with inadequate ventilation
Environmental exposure controls	Not available. Avoid release to the environment

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SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Physical state	Liquid	Colour	Clear yellow/brown	Odour	Odourless
pH	2.1	Density	NAV	Odour threshold	NAV
Flammability	Not flammable	Melting point	NAV	Boiling point	NAV
Specific gravity	NAV	Melting point	NAV	Decomposition temperature	NAV
Viscosity	NAV	Solubility in water	Fully soluble	Viscosity	NAV

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	None expected under normal conditions of use and storage
Conditions to avoid	Freezing, heat, incompatible materials
Incompatibility	Aluminum and steel
Hazardous decomposition products	Toxic / irritating phosphorus oxides

SECTION 11: TOXICOLOGICAL INFORMATION

Acute Toxicity			
	LC50 inhalation	LD50 Oral	LD50 Dermal
Phosphoric acid (85%)	0.82 mg / L (rabbit) 4 hr	1530 mg / kg (rat)	2740 mg / kg (rabbit)
Phosphoric acid, zinc salt (2:1), dihydrate	-	1990 mg / kg (rat)	-
Boric acid	-	2660 mg / kg (rat)	-
Eye Irritation/ Corrosion	Causes serious eye damage		
Skin Irritation/ Corrosion	May cause skin irritation		
Sensitization	Contains a small amount of a known skin and respiratory sensitizer		
Carcinogenicity	Contains a small amount of a substance listed as a animal carcinogen by ACGIH (A3), and a possible human carcinogen by IARC (2B)		
Mutagenicity	NAV		



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Reproductive toxicity	Boric acid is a known reproductive toxin; may cause effects on sexual function and/or fertility. May harm the unborn child.
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Repeated dose toxicity	Not available
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SECTION 12: ECOLOGICAL INFORMATION

Not available

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

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 or not specifically listed

TSCA: all components of this product are on US EPA's TSCA Chemical Substances Inventory or not specifically listed

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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