

MATERIAL SAFETY DATA SHEET

SECTION 1 – PRODUCT IDENTIFICATION AND USE

Page 1 of 3

PRODUCT IDENTIFIER:	Borax		
PRODUCT USE:	Fertilizer	SUPPLIER'S NAME:	Same as manufacturer
MANUFACTURER'S NAME:	Greentek Fertilizer Inc.	ADDRESS:	Same as manufacturer
ADDRESS:	202-27090,Gloucester Way Adergrove,BC V4W 3Y5, Canada		
IN CASE OF EMERGENCY: 1 (604) 857 0300			

SECTION 2 – HAZARDOUS INGREDIENTS

HAZARDOUS INGREDIENTS	CAS #	LD ₅₀ OF INGREDIENT (SPECIFY SPECIES & ROUTE)
Borax	12179-04-3	LD ₅₀ (oral rat) 2000 mg/Kg

SECTION 3 – PHYSICAL DATA

PHYSICAL STATE:	Crystalline Solid	ODOUR & APPEARANCE	Odourless white crystalline
BOILING POINT	NAV	VAPOUR PRESSURE (mmHg): @20°C	Negligible @ 20°C
VAPOUR DENSITY (air=1):	NAV	RELATIVE DENSITY @20°C	NAV
pH:	9.3(3% Solution)	EVAPORATION RATE:	NAP
FREEZING/MELTING POINT (°C)	200 °C/392°F	SOLUBILITY (in water):	3.8% @ 20 °C; 51.2% @ 100°C
BOILING RANGE	NAP		

SECTION 4 – FIRE AND EXPLOSION DATA

FLAMMABLE: This product is not flammable. It is a flame retardant.

IF YES, UNDER WHAT CONDITIONS? -

MEANS OF EXTINCTION: Use media appropriate for surrounding fire and/or materials.

FLASHPOINT (°C) & METHOD:	NAV	AUTOIGNITION TEMPERATURE (°C)	NAP
LOWER FLAMMABLE LIMIT (% by volume):	NAP	UPPER FLAMMABLE LIMIT (% by volume):	NAP
SENSITIVITY TO IMPACT:	NAV-Not expected to be sensitive to mechanical impact..	SENSITIVITY TO STATIC DISCHARGE:	NAV-Not expected to be sensitive to static discharge.
HAZARDOUS COMBUSTION PRODUCTS:	NAV		

SECTION 5 – REACTIVITY DATA

CHEMICAL STABILITY: Stable under normal conditions.

MATERIAL SAFETY DATA SHEET

Page 2 of 3

INCOMPATIBILITY:	Reaction with strong reducing agents, such as metals hydrides or alkali metals, will generate hydrogen gas, which could create an explosive hazard.	CORROSIVE BEHAVIOUR:	NAV
-------------------------	---	-----------------------------	-----

REACTIVITY AND UNDER WHAT CONDITIONS:	Keep away from: heat sources, combustible material, reducing agents, organic material.
--	--

HAZARDOUS DECOMPOSITION PRODUCTS:	None anticipated
--	------------------

SECTION 6 – TOXICOLOGICAL PROPERTIES

ROUTES OF ENTRY:

SKIN CONTACT:	Yes	SKIN ABSORPTION:	Not likely	EYE CONTACT:	Yes	INHALATION:	Yes	INGESTION:	Yes
----------------------	-----	-------------------------	------------	---------------------	-----	--------------------	-----	-------------------	-----

INGESTION:	Low toxicity. Small amount swallowed incidental to normal handling operations are not likely to cause injury. If swallowed in large quantity may cause mild gastrointestinal discomfort.
-------------------	--

INHALATION:	Mildly irritating to nose, throat and respiratory tract & may cause coughing and sneezing.
--------------------	--

EYE CONTACT:	Not irritating to eyes.
---------------------	-------------------------

SKIN CONTACT:	Not likely to be skin irritant.
----------------------	---------------------------------

EFFECTS OF CHRONIC EXPOSURE:	NAV
-------------------------------------	-----

EXPOSURE STANDARDS:	<u>ACGIH</u>	<u>OSHA</u>	
	6 mg/m ³ STEL	10 mg/m ³ TWA	
	2 mg/m ³ TLV-TWA	2 mg/m ³ TLV-TWA	

EPRODUCTIVE , TERATOGENICITY, EMBRYTOXICITY, MUTAGENCY	High doses feeding in rat, mouse and dogs, have demonstrated effects on fertility and testes. Studies in rat, mouse and rabbit, at high doses, showed developmental effects on the fetus, including fetal weight loss and minor skeletal variations. Normal humans would not be exposed to such high doses.
---	---

IRRITANCY:	Yes	SENSITIZATION:	Yes
-------------------	-----	-----------------------	-----

SYNERGISTIC MATERIALS:	NAV
-------------------------------	-----

SECTION 7 – PREVENTIVE MEASURES

PERSONAL PROTECTIVE EQUIPMENT:	Gloves: Normally not required, but preferred. Eye Protection: Chemical safety goggles. Foot Wear: Impervious safety boots. Clothing: Wear normal work coveralls. Respiratory protection: Use NIOSH approved dust respirator.
---------------------------------------	---

ENGINEERING CONTROLS:	To control dust level localized ventilation should be used.
------------------------------	---

HANDLING PROCEDURES:	To maintain package integrity and minimize caking of product. Bags should be handled on first-in first-out basis. Good house keeping is required.
-----------------------------	---

STORAGE REQUIREMENTS:	Dry to avoid tendency to cake. Keep containers tightly closed. Store in accordance with good industrial practices. Avoid moisture.
------------------------------	--

LEAK AND SPILL PROCEDURE:	Vacuum the product and place in an appropriate closed container. Return all material to container for disposal. Prevent entry to watercourses or sewers.
----------------------------------	--

MATERIAL SAFETY DATA SHEET

Page 3 of 3

WASTE DISPOSAL: Dispose in compliance with government requirements and local disposal regulations. Do not dispose of wastw with normal garbage, or to sewer system.

SECTION 8 – FIRST AID MEASURES

INHALATION Remove the victim into fresh air. If not breathing give artificial respiration. If breathing is difficult obtain medical attention immediately.

SKIN CONTACT Rinse affected area with water and soap, remove the victim's contaminated clothing. Obtain medical attention if irritation persists.

EYE CONTACT Flush eyes thoroughly for a minmum of 30 minutes. Obtain medical attention if irritation persists.

INGESTION Do not attempt to induce vomiting. Never give anything by mouth to unconscious victim. In case of spontaneous vomiting occurs, have victim lean forward with head down to avoid breathing in of vomitus. Obtain medical attention.

SECTION 9 – DEPARTMENT OF TRANSPORTATION**SHIPPING INFORMATION**

US and Canada: Not regulated

International Shipping: Not regulated

TDG: Not regulated.

IATA: Not regulated

SECTION 10 – PREPARATION DATE OF MSDS

PREPARED BY: Greentek Fertilizer Inc.
202-27090, Gloucester Way
Adergrove, BC
V4W 3Y5, Canada

ADDITIONAL INFORMATION:

At the time of preparation, the information and data contained in this MSDS are believed to be accurate and have been compiled from sources that are believed to be reliable.

BUSINESS NUMBER: 1 (604) 857 0300

DATE: October, 2015