



MATERIAL SAFETY DATA SHEET

SECTION 1 – PRODUCT IDENTIFICATION AND USE

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PRODUCT IDENTIFIER:	VITAL BORON (B)		
PRODUCT USE:	Chelating agent, Plant Nutrient Supplement		
MANUFACTURER'S NAME:	Agrisol Manufacturing Inc.	SUPPLIER'S NAME:	Same as manufacturer
ADDRESS:	220 – 7565, 132 Street, Surrey, BC, V3Z 1K7 Canada	ADDRESS:	Same as manufacturer
IN CASE OF EMERGENCY: 1(604) 805-2417			

SECTION 2 – HAZARDOUS INGREDIENTS

HAZARDOUS INGREDIENTS	CAS #	LD ₅₀ OF INGREDIENT (SPECIFY SPECIES & ROUTE)
Sodium Borate (Borax)	1330- 43-1	LD ₅₀ (rat, acute oral) 2400 mg/kg LD ₅₀ (rabbit, acute dermal)> 2000 mg/kg

SECTION 3 – PHYSICAL DATA

PHYSICAL STATE:	Liquid	ODOUR & APPEARANCE	Dark brown odorless liquid
ODOUR THRESHOLD (ppm):	NAV	VAPOUR PRESSURE (mmHg):	NAV
VAPOUR DENSITY (air=1):	NAP	SPECIFIC GRAVITY:	1.15 g/ml
pH:	6.4 – 6.8	MELTING POINT RANGE (°C)	NAP
FREEZING POINT (°C)	NAV	EVAPORATION RATE:	NAP
COEFF. WATER/OIL DIST	NAV	SOLUBILITY (in water):	Soluble

SECTION 4 – FIRE AND EXPLOSION DATA

FLAMMABLE:	Not flammable or combustible.
IF YES, UNDER WHAT CONDITIONS?	Product is stable at room temperature & atmospheric pressure.
MEANS OF EXTINCTION:	Use water spray, dry chemical and CO ₂ .
FIRE FIGHTING PROCEDURES:	Use water to cool containers exposed to fire. Fire fighters should use appropriate protective equipment and evacuate non-essential personnel from fire area.

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DECOMPOSITION TEMPERATURE (°C) :	NAP	AUTOIGNITION TEMPERATURE (°C)	NAV
LOWER FLAMMABLE LIMIT (% by volume):	NAP	UPPER FLAMMABLE LIMIT (% by volume):	NAP

SENSITIVITY TO IMPACT:	No evidence	SENSITIVITY TO STATIC DISCHARGE:	No evidence
HAZARDOUS COMBUSTION PRODUCTS:	Not known	HAZARDOUS POLYMERIZATION	Hazardous polymerization is not expected to occur under normal temperatures and procedures.

SECTION 5 – REACTIVITY DATA

CHEMICAL STABILITY:	Stable under normal conditions. Not self reacting and is not sensitive to physical impact.		
INCOMPATIBILITY:	NAV	CORROSIVE BEHAVIOUR:	NAV
REACTIVITY AND UNDER WHAT CONDITIONS:	This product is stable at ambient temperatures and atmospheric pressures.		
HAZARDOUS DECOMPOSITION PRODUCTS:	Nitrous gases may be produced.		

SECTION 6 – TOXICOLOGICAL PROPERTIES

ROUTES OF ENTRY:									
SKIN CONTACT:	None Known	SKIN ABSORPTION:	None Known	EYE CONTACT:	Can be irritating	INHALATION:	Yes	INGESTION:	Yes
EFFECTS OF ACUTE EXPOSURE TO PRODUCT:									
INGESTION:	Slightly hazardous in case of ingestion. May cause low order of acute toxicity.								
INHALATION:	Avoid inhalation. Excessive exposure may cause respiratory track irritation.								
EYE CONTACT:	May cause eye irritation. Flush eyes with plenty of running water. Seek medical attention if irritation persists.								
SKIN CONTACT:	Avoid prolonged or repeated skin contact. May cause skin irritation and possible skin sensitization.								
EFFECTS OF CHRONIC EXPOSURE: NAV									
CARCINOGENICITY:	Not classify as carcinogen or suspected carcinogen.			MUTAGEN CITY:	Not determined.				
REPRODUCTIVE HAZARD:	No known significant effects			TERATOGENICITY:	Not determined.				
IRRITANCY:	Yes			SENSITIZATION:	Yes				
SYNERGISTIC PRODUCTS:	Not determined.								

SECTION 7 – PREVENTIVE MEASURES

PERSONAL PROTECTIVE EQUIPMENT:	<p>Hands: Wear PVC or chemical resistant impervious gloves to avoid skin contact.</p> <p>Eyes: Wear safety eyewear with approved standard when a risk of is possible. Do not wear contact lenses.</p> <p>Foot Wear: Impervious safety boots.</p> <p>Clothing's: Wear coveralls with an impervious apron to protect street clothing.</p> <p>Respirator: Required when aerosol are generated. Wear a mask to avoid inhalation.</p>
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ENGINEERING CONTROLS:	Ventilate to control dust/mist. Keep good housekeeping.
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HANDLING PROCEDURES:	Use containment whenever possible and personal protective equipment where splashing or potential for contact exists. Workers should wash hand and face before eating, drinking or smoking.
STORAGE REQUIREMENTS:	Keep containers close and store in cool, dry place away from heat sources. Avoid direct and prolonged contact with skin. Keep separate from incompatible materials.
LEAK AND SPILL PROCEDURE:	Sweep, shovel or vacuum into sealable waste containers. Flush area with plenty of water. Prevent contamination of sewers, streams, lakes, ponds and domestic waterways. Ventilate area of spill or leak.
WASTE DISPOSAL:	Dispose in compliance with government requirements and local disposal regulations. Prevent entry into water sources or sewers.

SECTION 8 – FIRST AID MEASURES

INHALATION:	Move victim to fresh air. If other conditions or symptoms develop contact a physician.
SKIN CONTACT:	Remove contaminated clothing. Wash affected area with water for fifteen (15) minutes. Obtain medical attention if irritation or redness persists.
EYE CONTACT:	Flush eyes thoroughly while holding upper and lower eye lids for a minimum of 15 minutes. Obtain medical attention if symptoms or condition persists.
INGESTION:	Call physician immediately. If victim is conscious, rinse mouth and give water to drink. Never give anything by mouth to an unconscious person. Only induce vomiting on the instructions of doctor.

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: Agrisol Manufacturing Inc.
220 – 7565, 132 Street,
Surrey, BC, V3Z 1K7
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: 604-805-2417

DATE: OCTOBER, 2015