

SAFETY DATA SHEET

SECTION 1 – IDENTIFICATION

Product Name: TECH-GRO B-17 BORIC ACID SPRAY
Synonyms: None
Product Use: Agricultural nutrient product used to improve plant health.
Product Restrictions: Not for human or animal consumption.
Manufacturer Name: Nutrient Technologies, Inc.
Address: 1092 E. Kamm Ave., Dinuba, CA 93618
General Phone Number: (559) 595-8090
Transportation Emergency #: CHEMTREC: 800-424-9300

SECTION 2 – HAZARD(S) IDENTIFICATION



Signal word: Warning
GHS Class: Reproductive toxicity, Category 2
Hazard Statements: Suspected of damaging fertility or the unborn child
Precautionary Statements
Prevention: Use personal protective equipment as required.
Response: Wash hands thoroughly after handling.
Disposal: Dispose of unused contents, container and other wastes in accordance with local, state, and federal regulations.

SECTION 3 – COMPOSITION/INFORMATION ON INGREDIENTS

Component	CAS Number	Weight%
Proprietary blend of plant nutrients and inert ingredients including: boric acid		100%

SECTION 4 – FIRST AID MEASURES

Eye contact: Immediately flush opened eyes with plenty of water for 15-20 minutes. Get medical attention if necessary.
Skin Contact: Immediately wash skin with soap and water. Get medical attention if necessary.
Inhalation: If inhaled, remove to fresh air. If not breathing, give artificial respiration. Seek medical attention.
Ingestion: If swallowed, do not induce vomiting. Call a physician or poison control center. Never give anything by mouth to an unconscious person.

SECTION 5 – FIRE FIGHTING MEASURES

Extinguishing Media:	Use alcohol resistant foam, carbon dioxide, dry chemical, or water fog when fighting fires involving this product.
Specific hazards arising from the chemical	None, non-flammable, non-combustible; product is a flame retardant.
Protective Equipment:	As in any fire, wear self-contained breathing apparatus (SCBA), MSHA/NIOSH approved, and full protective gear.

SECTION 6 – ACCIDENTAL RELEASE MEASURES

Personal Precautions:	Avoid dust formation. Keep unnecessary and unprotected personnel from entering spill area. Do not walk through spilled material. Put on appropriate personal protective equipment (section 8).
Environmental Precautions:	Avoid runoff into waterways, drains and sewers.
Methods for containment:	Vacuum or sweep up spills. Prevent entry to water sources.
Methods for cleanup:	Clean up spills immediately and place in suitable container for disposal. Provide ventilation. After removal, flush spill area with soap and water.

SECTION 7 – HANDLING and STORAGE

Precautions for handling:	Use with adequate ventilation. Avoid breathing dust.
Precautions for storage:	Store in a cool, dry, well-ventilated. Keep container tightly closed when not in use.

SECTION 8 – EXPOSURE CONTROLS, PERSONAL PROTECTION

Occupational exposure limits	Boric Acid	15mg/m3	OSHA/PEL (total dust)
Appropriate engineering controls	Use appropriate engineering control such as enclosures, exhaust ventilation, or other means to control airborne levels below the recommended exposure limits. Good general ventilation should be sufficient to control airborne levels.		
Personal protective	Wear protective equipment such as a particulate mask or respirator (NIOSH approved) as appropriate based on the task being performed.		

SECTION 9 – PHYSICAL and CHEMICAL PROPERTIES

Odor/appearance:	white fine granule, odorless
Odor threshold:	Not determined
Boiling point:	Not applicable
Melting point:	169 °C
Flash point:	None.
Flammability:	Not flammable
Density:	1.51 g/cm3
Solubility:	4.7% at 20 °C
Vapor Density:	Not Applicable
Vapor Pressure:	Not Applicable

Evaporation rate:	Not Applicable
pH (1% solution):	6.1
Viscosity:	Not Applicable
Partition coefficient: (n-octanol/water)	Not Applicable

SECTION 10 – STABILITY and REACTIVITY

Chemical stability:	Stable under normal temperatures and pressures
Hazardous Polymerization:	Not reported.
Conditions to avoid:	Exposure to moisture and incompatible materials.
Incompatible materials:	Oxidizing agents. Strong alkalis.

SECTION 11 – TOXICOLOGICAL INFORMATION

Acute Toxicity (Oral LD50):	Low LD50, LD50 in rats 3100 to 4500 mg/kg of body weight
Acute Toxicity (Dermal LD50):	No LD50 available.
Acute Toxicity Inhalation LC50:	No LC50 available. May be harmful if inhaled
Likely routes of exposure	
Skin irritation:	Non-irritating
Eye irritation:	Non-irritating
Skin sensitization:	Not tested
Carcinogenic:	Not listed by IARC, NTP, or OSHA.
Chronic effects:	None known.
Other hazards:	Animal feeding studies of very high doses showed affects on fertility and fetus development. Animal doses well in excess of normal likely human exposure levels.

SECTION 12 – ECOLOGICAL INFORMATION

Ecotoxicity:	No ecotoxicity data was found for this product.
Environmental fate:	Boron is naturally occurring and ubiquitous in the environment; boric acid decomposes to natural borate.

SECTION 13 – DISPOSAL CONSIDERATIONS

Waste disposal:	Dispose of in accordance with local, state and federal regulations. Arrange disposal in accordance to the EPA and/or state and local guidelines.
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SECTION 14 – TRANSPORT INFORMATION

UN transport shipping name:	Not restricted as dangerous good.
Transport hazard class:	None
UN Identification number:	None
Packing group:	None
IATA Shipping name:	Not restricted as dangerous good.

SECTION 15 – REGULATORY INFORMATION

Boric Acid

TSCA Inventory status – listed

SARA 313

This material does not contain any chemical components with known CAS numbers that exceed the threshold reporting levels established by SARA Title III, Section 313.

SECTION 16 – ADDITIONAL INFORMATION

SDS revision date:

May 30, 2015