

SAFETY DATA SHEET

SECTION 1 – IDENTIFICATION

Product name:	B-17 BORIC ACID SPRAY
Synonyms:	TECH-GRO B-17 Boric Acid Spray
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	Proprietary blend of plant nutrients and inert ingredients including: boric acid.
CAS Number	Not Applicable.
Weight%	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 equipment: 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/cm ³
Solubility:	4.7% at 20 °C
Vapor density:	Not Applicable.
Vapor pressure	Not Applicable.
Evaporation rate:	Not Applicable.
pH:	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

Proprietary ingredients: 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

HMIS rating:

SDS revision date: 14-Sep-21