

# MATERIAL SAFETY DATA SHEET

**IDENTITY: J.T. EATON® EATON'S ANSWER BORIC ACID  
INSECTICIDAL DUST**

**EPA Registration No.: 56-73**

Active Ingredient Chemical Name: Boric Acid

HMIS Rating: Health 1\*  
Flammability 0  
Reactivity 0  
\* Chronic Effects

## SECTION I

Manufacturer's Name:  
J.T. Eaton & Company, Inc.

Emergency Telephone Number: **1-800-664-9042** or the  
National Pesticide Telecommunications Network at  
**1-800-858-7378**

Address: 1393 East Highland Road  
Twinsburg, Ohio 44087

Telephone Number for Information:  
9 AM to 5 PM EST - 330-425-7801

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## SECTION II - Hazardous ingredients/Identity Information

Hazardous Components ( <i>Specific Chemical Identity: Common Name(s)</i> ):	OSHA PEL	ACGIH TLV	Other Limits Recommended	% (optional)
Boric Acid CAS No. 10043-35-3	15 mg/m <sup>3</sup>	10 mg/m <sup>3</sup>	N/A	

Contains greater than 99 percent (%) boric acid (H<sub>3</sub>BO<sub>3</sub>), which is hazardous under the OSHA Hazard Communication Standard and under the Canadian Controlled Products Regulations of the Hazardous Products Act (WHMIS), based on animal chronic toxicity studies.

## SECTION III - Physical/Chemical Characteristics

Boiling Point: N/A	Specific Gravity ( <i>H<sub>2</sub>O = 1</i> ): 1.5	Molecular weight: 61.84
Vapor Pressure ( <i>mm Hg.</i> ): Negligible at 20°C	Melting Point: 170.9°C (340°F) (heated in closed space)	
Vapor Density ( <i>AIR = 1</i> ): Negligible	Evaporation Rate ( <i>Butyl Acetate = 1</i> ): N/A	
Solubility in Water: 4.7% @ 20°C; 27.5% @ 100°C	% Volatile: N/A	
Appearance and Odor:	White, odorless, crystalline solid.	

## SECTION IV - Fire and Explosion Hazard Information

Flash Point (*Method Used*) - None Flammable Limits - None LEL - N/A UEL - N/A

Extinguishing Media: In case of fire use: Any fire extinguishing media may be used on nearby fires.

Special Fire Fighting Procedures: The product is itself a flame retardant. Unusual Fire and Explosion Hazards: None

## Section V - Reactivity Data

Stability: Yes Incompatibility: Boric Acid reacts as a weak acid and may cause corrosion of metals. Reaction with strong reducing agents, such as metal hydrides or alkali metals, will generate hydrogen gas, which could create an explosive hazard.

Hazardous Decomposition Products (*from burning, heating, or reaction with other materials*): None

Hazardous Polymerization: Will not occur. Conditions to Avoid: Alkalies

## SECTION VI - Health Hazard Data

Route(s) of Entry: Inhalation? - Yes Skin? - No Ingestion? - Yes

Signs and Symptoms of Exposure: Symptoms of accidental over-exposure to Boric Acid have been associated with ingestion or absorption through large areas of damaged skin. These may include nausea, vomiting and diarrhea, with delayed effects of skin redness and peeling.

Health Hazards: Ingestion: Products containing Boric Acid are not intended for ingestion. Boric Acid has a low acute toxicity. Small (Acute and Chronic) amounts (e.g., a teaspoonful) swallowed accidentally are not likely to cause effects; swallowing amounts larger than that may cause gastrointestinal symptoms.  
Inhalation: Occasional mild irritation effects to nose and throat may occur from inhalation of Boric Acid dust at levels greater than 10 mg/m<sup>3</sup>.

Health Hazards: Skin irritation: Boric Acid does not cause irritation to intact skin.  
(Acute and Chronic) Eye irritation: Boric Acid is non-irritating to eyes in normal industrial use.  
Reproductive/developmental: Animal ingestion studies in several species, at high doses, indicate that borates cause reproductive and developmental effects. A human study of occupational exposure to borate dust showed no adverse effect on reproduction.  
Target organs: No target organ has been identified in humans. High dose animal ingestion studies indicate the testes are the target organs in male animals.

Carcinogenicity - Boric Acid is not a known carcinogen. NTP? - No IARC Monographs? - No OSHA Regulated? - Yes

Medical Conditions Generally Aggravated by Exposure: None.

Emergency First Aid Procedures: Eyes: Use eye wash fountain or fresh water to cleanse eye. If irritation persists for more than 30 minutes, seek medical attention.  
Skin: No treatment necessary because non-irritating.  
Inhalation: If symptoms such as nose or throat irritation are observed, remove person to fresh air.  
Ingestion: Swallowing small quantities (one teaspoon) will cause no harm to healthy adults. If larger amounts are swallowed, give two glasses of water to drink and seek medical attention.

### SECTION VII - Precautions for Safe Handling and Disposal

Steps to Be Taken in Case Material is Released or Spilled: Vacuum, shovel or sweep up Boric Acid and place in containers for disposal in accordance with applicable local regulations. Avoid contamination of water bodies during cleanup and disposal. No personal protective equipment is needed to clean up land spills.

Waste Disposal Method: Small quantities of Boric Acid can usually be disposed of at landfill sites. No special disposal treatment is required, but local authorities should be consulted about any specific local requirements. Tonnage quantities of product are not recommended to be sent to landfills. Such product should, if possible, be used for an appropriate application.

Precautions to Be Taken in Handling and Storing: No special handling precautions are required, but dry, indoor storage is recommended. To maintain package integrity and to minimize caking of the product, bags should be handled on a first-in first-out basis. Good housekeeping procedures should be followed to minimize dust generation and accumulation.

### SECTION VIII - Control Measures

Respiratory Protection (*Specify Type*): Where airborne concentrations are expected to exceed exposure limits, NIOSH/MSHA certified respirators should be used.

Ventilation: Local Exhaust? - Yes Special? - No Mechanical (General)? - No Other? - No

Protective Gloves and Eye Protection: Eye goggles and gloves are not required for normal industrial exposures, but may be warranted if environment is excessively dusty.

### SECTION IX - California Addendum (Proposition 65) Safe Drinking Water and Toxic Enforcement Act of 1986

The following specific warnings are hereby given relative to substances that the State of California has identified as carcinogens and/or reproductive hazards Under Proposition 65:

WARNING: None WARNING: None

### SECTION X - SARA Title III Hazard Category

For Reporting Under Sections 311 & 312  
Immediate - No Delayed - No Fire - No Reactive - No Sudden Release of Pressure - No

### SECTION XI - Shipping Information

D.O.T. Hazard Classification: Not D.O.T. Regulated.  
Bill of Lading Description: Vermin Exterminators, NOI

All Information contained in this Material Safety Data Sheet is furnished free of charge and is intended for your evaluation. In our opinion the information is, as of the date of this Material Safety Data Sheet, reliable, however, it is your responsibility to determine the suitability of the information for your use. You are advised not to construe the information as absolutely complete since additional information may be necessary or desirable when particular, exceptional or variable conditions or circumstances exist or because of applicable laws or government regulations. Therefore, you should use this information only as a supplement to other information gathered by you and you must make independent determinations of the suitability and completeness of the information from all sources to assure both proper use of the material described herein and the safety and health of employees. Accordingly, no guarantee expressed or implied is made by J.T. Eaton & Co., Inc. as to the results to be obtained based upon your use of the information nor does J.T. Eaton & Co., Inc., assume any liability arising out of your use of the information.