

MATERIAL SAFETY DATA SHEET



CHEM-TOX PRO! ROACH KILL

SECTION 1 • IDENTIFICATION

IDENTITY:**CHEM-TOX PRO! ROACH KILL****EPA Registration No. 45385-20203 • Product Code: P-401****ACTIVE INGREDIENT CHEMICAL NAME: BORIC ACID****CHEMICAL FAMILY: Inorganic Compound**

Manufacturer's Name:

CTX/Cenol, Inc.

Address: 138 West Drive

Lodi, Ohio 44254

Prepared by: Bart Baker Date Prepared: July 16, 2008

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

Emergency Telephone Number:

CHEMTREC at 1-800-424-9300 orNational Pesticide Telecommunications Network at **1-800-858-7378** or

Telephone Number for Information:

9 AM to 5 PM EST - 888-281-7025

SECTION 2 HAZARDOUS INGREDIENTS

HAZARDOUS COMPONENTS	CAS NUMBER	PEL	STEL	<- OSHA LIMITS ->		OPTIONAL
				CEILING	ACGIH TLV	
Boric Acid	10043-35-3	N/A	N/A	N/A	10mg/m3	99

Contains greater than 99 percent (%) boric acid (H_3BO_3), 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 3 • PHYSICAL / CHEMICAL DATA

BOILING POINT: (F): N/A

SOLUBILITY IN H_2O : 4.7% @ 20° C; 27.5% @ 100° C

MOLECULAR WEIGHT: 61.84

EVAPORATION RATE: N/A

APPEARANCE / ODOR: White, odorless, crystalline solid.

SPECIFIC GRAVITY: (Water = 1): 1.51

VAPOR PRESSURE: (mm hg): Negligible at 20° C

VAPOR DENSITY: Negligible

MELTING POINT: 170.9° C (340° F) (Heated in closed space)

% VOLATILE: N/A

SECTION 4 • FIRE & EXPLOSION HAZARD DATA

FLASH POINT: None

FLAMMABLE LIMITS: LEL: N/A UEL: N/A

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

UNUSUAL FIRE & EXPLOSION HAZARDS: None

SPECIAL FIRE FIGHTING PROCEDURES: The product is itself a flame retardant.

SECTION 5 • REACTIVITY DATA

CHEMICAL STABILITY: Stable.

CONDITIONS TO AVOID: Alkalies

DECOMPOSITION PRODUCTS: None.

HAZARDOUS POLYMERIZATION: Will not occur

INCOMPATIBLE MATERIALS: 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.

SECTION 6 • HEALTH HAZARD DATA

ROUTES OF ENTRY:	INHALATION?	SKIN?	INGESTION?
	YES	NO	YES

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

SECTION 6 • HEALTH HAZARD DATA (CONT.)

HEALTH HAZARDS (ACUTE and CHRONIC): Ingestion: Products containing Boric Acid are not intended for ingestion. Boric Acid has a low acute toxicity. Small 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/m³. Skin irritation: Boric Acid does not cause irritation to intact skin. 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.

CARCINOGENICITY: NTP? IARC MONOGRAPH? OSHA REGULATED?
 NO NO YES

SIGNS & 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.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE: Eye, skin and respiratory disorders.

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 7 • PRECAUTIONS FOR SAFE HANDLING

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.

HANDLING AND STORAGE: 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 8 • CONTROL MEASURES

RESPIRATORY PROTECTION: Where airborne concentrations are expected to exceed exposure limits, NIOSH/MSHA certified respirators should be used.

VENTILATION: LOCAL EXHAUST: Yes SPECIAL: No
 MECHANICAL EXHAUST: No
 OTHER: No

EYE PROTECTION: Safety glasses or goggles.

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

SECTION 9 California Addendum (Proposition 65) Safe 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 10 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 11 SHIPPING INFORMATION

D.O.T. Hazard Classification: NOT D.O.T Regulated

Bill of lading Description: Vermin Exterminators, NOI ITEM No.: 43520

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 source 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 CTX Cenol Inc. as to the results to be obtained based upon your use of the information nor does CTX Cenol Inc. assume any liability arising out of your use of the information.

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