



TECHNIC, INC.

MATERIAL SAFETY DATA SHEET

SECTION 1

PRODUCT IDENTIFICATION

TRADE NAME (AS LABELED): **BORIC ACID**

CHEMICALS NAMES, COMMON NAMES:

PRODUCT CODE: 450972

MANUFACTURE'S NAME & ADDRESS:

PREPARED BY: **ALLAN H. REED**

TECHNIC INC.

DATE PREPARED: April 4, 2006

1 SPECTACLE STREET

CRANSTON, RI 02910

EMERGENCY PHONE: 401-781-6100

24 HOUR EMERGENCY: CHEM TREC 800-424-9300

OUTSIDE THE USA AND CANADA: 703-527-3887

SECTION 2

COMPOSITION / INFORMATION ON INGREDIENTS

<u>CHEMICAL NAMES</u>	<u>CAS NUMBER</u>	<u>PERCENT</u>	<u>EXPOSURE LIMITS</u>
Boric acid	10043-35-3	> 99%	2 mg/m ³ ACGIH TWA Respirable dust: 10 mg/m ³ ACGIH TLV, 5 mg/m ³ OSHA PEL

SECTION 3

HAZARD IDENTIFICATION

SYMPTOMS OF OVER-EXPOSURE FOR EACH POTENTIAL ROUTE OF EXPOSURE.

INHALATION:

Mild irritation effects to nose and throat may occur from inhalation of dust at levels greater than 10 mg/m³.

CONTACT WITH SKIN OR EYES:

Non-irritating under normal use conditions.

ABSORBED THROUGH SKIN:

Not absorbed through unbroken skin.

SWALLOWED:

Small quantities are not likely to any have effects; swallowing large quantities may cause gastrointestinal upset.

SUSPECTED CANCER AGENT? X NO YES

HEALTH EFFECTS OR RISKS FROM EXPOSURE. EXPLAIN IN LAY TERMS.

ACUTE: See symptoms of over-exposure above.

CHRONIC: None reported.

SECTION 4 FIRST AID MEASURES

FIRST AID: EMERGENCY PROCEDURES

EYE CONTACT: Flush with water, including under lids, for fifteen minutes. Obtain immediate medical attention.

SKIN CONTACT: Remove contaminated clothing and wash affected area thoroughly with soap and water. Launder clothing before rewearing. Seek medical attention for prolonged skin irritation.

INHALED: Remove patient to fresh air. Support breathing if required. Obtain medical treatment for dizziness, unconsciousness or irritation or difficulty in breathing.

SWALLOWED: If patient is conscious, rinse mouth and drink at least two large glasses of water. DO NOT induce vomiting. Never give anything by mouth to an unconscious person. Obtain immediate medical attention.

SECTION 5 FIRE FIGHTING MEASURES

FLASH POINT (°F) (METHOD USED): None

AUTOIGNITION TEMPERATURE, °F: N.A.

FLAMMABLE LIMITS IN AIR, VOLUME, %: LOWER LIMIT N.A. UPPER LIMIT N.A.

FIRE EXTINGUISHING MATERIALS: Use media appropriate for the surrounding fire.

WATER CARBON DIOXIDE OTHER

FOAM DRY CHEMICAL

SPECIAL FIREFIGHTING PROCEDURES: None.

UNUSUAL FIRE AND EXPLOSION HAZARDS: None.

SECTION 6 ACCIDENTAL RELEASE MEASURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: Shovel or sweep up spilled material and place in containers for disposal. Do not allow this material to enter storm or sanitary sewers or other waterways.

SECTION 7**HANDLING AND STORAGE**

HANDLING AND STORAGE REQUIREMENTS: Store in a dry location to prevent caking. Ordinary good housekeeping procedures should be followed.

SECTION 8**EXPOSURE CONTROLS / PERSONAL PROTECTION**

VENTILATION: Local exhaust.

RESPIRATORY PROTECTION: Dust mask or respirator when dust levels are high.

EYES PROTECTION: Not required but may be warranted if environment is excessively dusty.

GLOVES: Protective gloves are recommended.

OTHER CLOTHING AND EQUIPMENT: No specific recommendations.

WORK PRACTICES, HYGIENIC PRACTICES: Overall good housekeeping practices.

SECTION 9**PHYSICAL / CHEMICAL PROPERTIES**

VAPOR DENSITY (AIR =1): N.A.

SPECIFIC GRAVITY: 1.5

VAPOR PRESSURE (MM Hg): Negligible

MELTING POINT (°F): 340° F

EVAPORATION RATE (BUTYL ACETATE=1): N.A.

BOILING POINT (°F): N.D.

SOLUBILITY IN WATER: 5%

pH: 5.1 (1% solution)

APPEARANCE AND ODOR: White crystalline solid; odorless.

SECTION 10**STABILITY AND REACTIVITY**

STABILITY: STABLE UNSTABLE

CONDITIONS TO AVOID: None.

INCOMPATIBILITY (MATERIALS TO AVOID): Contact with metal hydrides and alkali metals will generate hydrogen gas which may create an explosive hazard.

HAZARDOUS DECOMPOSITION PRODUCTS (INCLUDING COMBUSTION PRODUCTS): None.

HAZARDOUS POLYMERIZATION: MAY OCCUR WILL NOT OCCUR

SECTION 11 TOXICOLOGICAL INFORMATION

ACUTE EFFECTS: See section 3.

IRRITATION DATA: See section 3.

TOXICITY DATA: Oral LD50: 2660 mg/kg (rat, boric acid)

TARGET ORGAN DATA: See section 3.

SECTION 12 ECOLOGICAL INFORMATION

High concentrations of this material may cause damage to aquatic life.

SECTION 13 DISPOSAL CONSIDERATIONS

Dispose of all chemical wastes at an appropriate waste disposal facility. Follow all local, state, and federal regulations for disposal of waste chemicals.

SECTION 14 TRANSPORT INFORMATION

Not DOT regulated.

SECTION 15 REGULATORY INFORMATION

This product is not regulated as a toxic chemical under Section 313 of Title III/SARA, and 40 CFR, Part 372.
 This product is not regulated by the California Proposition 65 list.
 All ingredients are listed in the TSCA inventory.
 For the purposes of the New Jersey Right to Know Law, the contents are partially known.

SECTION 16 OTHER INFORMATION

H	
Health	1
F	
Flammability	0
R	
Reactivity	0
Personal Protection	B