

**MATERIAL SAFETY DATA SHEET**

**DATA SHEET # 428000RV**

**PRODUCT NAME: BORID 10oz., 1lb., 5lb., 25lb., 50lb., & 100lb.**

**EPA REG. # 9444-129**

**SECTION I - GENERAL INFORMATION-----**

MANUFACTURED BY: WATERBURY COMPANIES, INC.  
 COMMERCIAL PRODUCTS DIVISION  
 P.O. BOX 640  
 INDEPENDENCE, LA 70443

24 HOUR EMERGENCY CONTACT (CHEMTREC):  
 (800) 424-9300  
 PRODUCT & SALES INFORMATION: (203) 597-1812  
 MSDS INFORMATION: (504) 878-6751  
 PREPARED BY: J.C.A

DATE REVISED: 08/12/98 DATE PRINTED: 08/14/98

HAZARD RATING (NFPA 704):

HEALTH: - 1 - FIRE: - 0 - REACTIVITY: - 0 - SPECIAL: - NONE -

*Note: NFPA 704 hazard ratings are general - not comprehensive, and are subject to interpretation.*

*All MSDS information must be considered when evaluating safe material handling procedures.*

SHIPPING INFORMATION - PER US DEPARTMENT OF TRANSPORTATION (DOT) REGULATIONS:

DOT STATUS: NOT REGULATED (NON-HAZARDOUS)

PROPER SHIPPING NAME (OR DESCRIPTION IF NOT REGULATED BY DOT): SODIUM BORATE, NON-HAZARDOUS.

HAZARD CLASS: N/A ID#: N/A PACKING GROUP: N/A LABEL REQUIRED: N/A

NATIONAL MOTOR FREIGHT CLASSIFICATION # AND LTL CLASS: 43520 - CLASS 55

EXPORT SHIPMENTS: Not regulated by International shipping standards. Ship as non-hazardous material when exporting.

**SECTION II -- HAZARDOUS INGREDIENTS/IDENTITY INFORMATION-----**

*Hazardous components greater than 1.0% (0.1% for carcinogens or suspected carcinogens).*

HAZARDOUS COMPONENTS	CAS #	OSHA PEL	ACGIH TLV	OTHER LIMITS	% BY WT.
Orthoboric Acid (Boric Acid)	10043-35-3	N.E.	N.E.	N.E.	99.000
Nonhazardous components	N/A	N/A	N/A	N/A	< 5

**SECTION III - SARA TITLE III SECTION 313 SUPPLIER NOTIFICATION-----**

This product contains no toxic chemicals which are subject to the reporting requirements of Section 313 of the Emergency Planning and Community Right-to-Know Act of 1986 and 40 CFR 372.

CAS# N/A COMPONENT: N/A PERCENT BY WEIGHT: N/A

This information must be included in all MSDS's that are copied and distributed for this material.

**SECTION IV - PHYSICAL/CHEMICAL CHARACTERISTICS-----**

BOILING POINT: N/A SPECIFIC GRAVITY (H2O = 1): N/A VAPOR PRESSURE (mm Hg): N/A  
 MELTING POINT: 340 deg. F VAPOR DENSITY (AIR = 1): N/A EVAPORATION RATE (BUTYL ACETATE = 1): N/A  
 SOLUBILITY IN WATER: 4.7% @68 degrees F.  
 APPEARANCE AND ODOR: Light blue odorless powder.

**SECTION V - FIRE AND EXPLOSION HAZARD DATA-----**

FLASH POINT (METHOD USED): Not applicable.  
 FLAMMABLE LIMITS: N/A LEL: N/A UEL: N/A  
 EXTINGUISHING MEDIA: CO2, Dry Chemical, Foam.  
 SPECIAL FIRE FIGHTING PROCEDURES: None Required.  
 UNUSUAL FIRE AND EXPLOSION HAZARDS: None Known - Product is an inherent fire retardant.

**SECTION VI - REACTIVITY DATA-----**

STABILITY: UNSTABLE: --- STABLE: -YES-  
 CONDITIONS TO AVOID: Contact with acetic anhydride or elemental potassium.  
 INCOMPATIBILITY (MATERIALS TO AVOID): Acetic anhydride, elemental potassium.  
 HAZARDOUS DECOMPOSITION OR BY-PRODUCTS: None known.  
 HAZARDOUS POLYMERIZATION: MAY OCCUR: --- WILL NOT OCCUR: -X-  
 CONDITIONS TO AVOID: None known.

**SECTION VII - HEALTH HAZARDS-----**

ROUTE(S) OF ENTRY: INHALATION? -YES- SKIN? -YES- INGESTION? -YES-  
 HEALTH HAZARDS (ACUTE AND CHRONIC): Large amounts absorbed into blood stream from ingestion or through damaged skin may result in erythema, macular rash, nausea, diarrhea, dizziness, depression, CNS effects after 24 hours, through broken skin or 36-72 hours from ingestion. May cause slight irritation to broken skin. Animal studies have shown that ingestion of large amounts of Borates over prolonged periods of time causes a decrease in sperm production and testicle size in male laboratory animals and developmental effects in fetuses of pregnant female laboratory animals. No evidence of such effects in humans.  
 CARCINOGENICITY: NTP? -NO- IARC MONOGRAPHS? -NO- OSHA REGULATED? -NO-  
 SIGNS AND SYMPTOMS OF EXPOSURE: INGESTION: Acute oral LD50 (rats) 3.16 g/Kg. May cause nausea, vomiting, diarrhea in doses >15gms. EYES: May cause slight, reversible conjunctivitis. SKIN: May cause slight irritation on damaged skin. Acute dermal LD50 > 2g/Kg (rabbits) INHALATION: Nuisance dust. May cause transitory sneezing and coughing.  
 MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: None known.  
 EMERGENCY AND FIRST AID PROCEDURES: IF SWALLOWED: Call a physician or Poison Control Center. Drink 1 or 2 glasses of water and induce vomiting by touching back of throat with finger. If person is unconscious, do not

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give anything by mouth and do not induce vomiting. IF IN EYES: Flush eyes with plenty of water. Call a physician if irritation persists. NOTE TO PHYSICIAN: After ingestion or absorption into the bloodstream of large amounts (> 15gms.), symptoms may appear in 24-72 hours. Borates are readily dissipated through the urine (70% in the first 24 hours).

**SECTION VIII - PRECAUTIONS FOR SAFE HANDLING AND USE-----**

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: Sweep or vacuum. Flush area with water.

WASTE DISPOSAL METHOD: Wastes resulting from the use of this product may be disposed of on site or at an approved waste facility.

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING: No powder should be visible in living areas after application. Any powder visible after application must be brushed into cracks and crevices or removed. Apply only in areas inaccessible to children and pets. Avoid contamination of feed and foodstuffs. Do not use in serving areas when food is exposed. Do not use in edible product areas. Apply approximately 1 pound for every 1,000 square feet of living space.

OTHER PRECAUTIONS: It is a violation of federal law to use this product in a manner inconsistent with its labeling. Read label. Application of this product in the food area of food handling establishments other than as a crack and crevice treatment are not permitted.

This product is authorized for use in plants operating under USDA Inspection and Grading Programs as a CATEGORY F2 substance.

**SECTION IX - CONTROL MEASURES-----**

RESPIRATORY PROTECTION (SPECIFY TYPE): N/A

VENTILATION:

LOCAL EXHAUST: Not required.

MECHANICAL (GENERAL): Not required.

SPECIAL: N/A

OTHER: N/A

PROTECTIVE GLOVES: Not required - avoid contact with skin.

EYE PROTECTION: Not required - avoid contact with eyes.

OTHER PROTECTIVE CLOTHING OR EQUIPMENT: Safety glasses to avoid possible contact with eyes is recommended.

WORK/HYGIENIC PRACTICES: Follow label instructions.

**SECTION X - SARA TITLE III SECTION 312 TIER TWO INVENTORY REPORT INFORMATION-----**

When Completing SARA Title III Section 312 Tier Two Inventory Reports, the following information should be used. See local regulations for additional and complete reporting requirements for the specific site.

CAS #: N/A - There is no CAS# for this mixture.

This product should be described as: PURE...  MIXTURE...  SOLID...  LIQUID...  GAS...

Physical & health hazards: FIRE..  SUDDEN RELEASE OF PRESSURE..  REACTIVITY..  IMMEDIATE..  DELAYED..

**SECTION XI - SUMMARY OF CHANGES-----**

Revised Hazard Rating notes in Section I.

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*This information is supplied in good faith, but no warranty expressed or implied is made. Waterbury Companies believes that it is accurate to the best of its knowledge & relates only to the specific material designated herein*

N/A = NOT APPLICABLE      N.E. = NOT ESTABLISHED