



For RICCA, SpectroPure, Red Bird, and Solutions Plus Brands  
 Emergency Contact(24 hr) -- CHEMTREC®  
 Domestic: 800-424-9300  
 International: 703-527-3887

MSDS

SODIUM BORATE Aqueous Solutions

Material Safety Data Sheet

7852416

Section 1: Chemical Product and Company Identification

|   |   |
|---|---|
| <b>Catalog Number:</b><br>7852.4, 7853.1                    |   |
| <b>Product Identity:</b><br>SODIUM BORATE Aqueous Solutions |   |
| <b>Manufacturer's Name:</b><br>RICCA CHEMICAL COMPANY LLC   | <b>Emergency Contact(24 hr) -- CHEMTREC®</b><br>Domestic: 800-424-9300<br>International: 703-527-3887 |
| <b>CAGE Code:</b> 4TCW6, 0V553, 4XZQ2                       |   |
| <b>Address:</b><br>448 West Fork Dr<br>Arlington, TX 76012  | <b>Telephone Number For Information:</b><br>817-461-5601  |
| <b>Date Prepared:</b><br>3/7/06                             | <b>Revision:</b> 0<br><br>Last Revised: 03/07/2006<br>Date Printed: 10/20/2011 12:02:50 pm            |

**REVIEWED**

DATE: OCTOBER 20/2011  
*Christenford*

Section 2. Composition/Information on Ingredients

| Component                 | CAS Registry # | Concentration | ACGIH TLV     | OSHA PEL      |
|---------------------------|----------------|---------------|---------------|---------------|
| Sodium Borate Decahydrate | 1303-96-4      | 1 - 6         | Not Available | Not Available |
|                           |                |               | 5 mg/m3       | Not Available |
| Water, Deionized          | 7732-18-5      | Balance       | Not Available | Not Available |
|                           |                |               | Not Available | Not Available |

Section 3: Hazard Identification

**Emergency Overview:** Does not present any significant health hazards. May cause slight irritation. Wash areas of contact with water.

**Target Organs:** eyes, skin

**Eye Contact:** May cause slight irritation.

**Inhalation:** Not likely to be hazardous by inhalation.

**Skin Contact:** May cause slight irritation.

**Ingestion:** May cause stomach upset and nausea. Estimated lethal dose is approximately 15-20 grams of the Sodium Borate.

**Chronic Effects/Carcinogenicity:** None

IARC - No.

NTP - No.

OSHA - No.

**Reproductive Information:** Reproductive effects cited in 'Registry of Toxic Effects of Chemical Substances' for Sodium Borate Decahydrate.

Reproductive effects cited in 'Registry of Toxic Effects of Chemical Substances' for Sodium Borate Decahydrate.

**Teratology (Birth Defect) Information:** Mutation data cited in 'Registry of Toxic Effects of Chemical Substances' for Sodium Borate Decahydrate.

Mutation data cited in 'Registry of Toxic Effects of Chemical Substances' for Sodium Borate Decahydrate.

**Section 4: First Aid Measures - In all cases, seek qualified evaluation.**

**Eye Contact:** Irrigate immediately with large quantity of water for at least 15 minutes. Call a physician if irritation develops.

**Inhalation:** Remove to fresh air. Give artificial respiration if necessary. If breathing is difficult, give oxygen.

**Skin Contact:** Wash areas of contact with soap and water for at least 15 minutes. Call a physician if irritation develops.

**Ingestion:** Dilute with water or milk. Call a physician if necessary.

**Section 5: Fire Fighting Measures**

**Flash Point:** Not Available.

**Method Used:** Not Available.

**LFL:** Not Available.

**UFL:** Not Available.

**Extinguishing Media:** Use any means suitable for extinguishing surrounding fire.

**Fire & Explosion Hazards:** Not considered to be a fire or explosion hazard.

**Fire Fighting Instructions:** Use normal procedures/instructions.

**Fire Fighting Equipment:** Use protective clothing and breathing equipment appropriate for the surrounding fire.

**Section 6: Accidental Release Measures**

Absorb with suitable material and dispose of in accordance with local regulations.

**Section 7: Handling and Storage**

As with all chemicals, wash hands thoroughly after handling. Avoid contact with eyes and skin. Protect from freezing and physical damage.

**Safety Storage Code:** General

**Section 8: Exposure Control/Personal Protection**

**Engineering Controls:** No specific controls are needed. Normal room ventilation is adequate.

**Respiratory Protection:** Normal room ventilation is adequate.

**Skin Protection:** Chemical resistant gloves.

**Eye Protection:** Safety glasses or goggles.

**Section 9: Physical and Chemical Properties**

**Appearance:** Clear, colorless liquid

**Odor:** Odorless

**Solubility in Water:** Infinite

**Specific Gravity:** Approximately 1

**pH:** approximately 9.5

**Boiling Point(°C):** Approximately 100

**Melting Point(°C):** Approximately 0

**Vapor Pressure:** Not Applicable.

**Section 10: Stability and Reactivity**

**Chemical Stability:** Stable under normal conditions of use and storage.

**Incompatibility:** Acids, alkaloids and metallic salts.

**Hazardous Decomposition Products:** Sodium oxides may form when heated to decomposition.

**Hazardous Polymerization:** Will not occur.

**Section 11. Toxicological Information**

LD50, Oral, Rat: (Sodium Borate Decahydrate) 2660 mg/kg; details of toxic effects not reported other than lethal dose value.

**Section 12. Ecological Information**

**Ecotoxicological Information:** No information found

**Chemical Fate Information:** No information found

## MSDS

SODIUM BORATE Aqueous Solutions

### Section 13. Disposal Considerations

Dilute with water, then flush to sewer if local regulations allow. If not allowed, save for recovery or recycling in an approved waste disposal facility. Always dispose of in accordance with local, state and federal regulations.

### Section 14. Transport Information

Part Numbers:

This product is not regulated.

### Section 15. Regulatory Information (Not meant to be all inclusive - selected regulation represented)

**OSHA Status:** These items meet the OSHA Hazard Communication Standard (29 CFR 1910.1200) definition of a hazardous material.

**TSCA Status:** All components of this solution are listed on the TSCA Inventory or are mixtures (hydrates) of items listed on the TSCA Inventory.

Sara Title III:

**Section 302 Extremely Hazardous Substances:** Not Applicable.

**Section 311/312 Hazardous Categories:** No

**Section 313 Toxic Chemicals:** Not Applicable.

**California:** None Reported.

**Pennsylvania:** Sodium Borate Decahydrate is listed as a Basic Hazard on the state's Hazardous Substances List. Sodium Borate Decahydrate is listed as a Basic Hazard on the state's Hazardous Substances List.

**RCRA Status:** Not Applicable.

**CERCLA Reportable Quantity:** None Reported.

**WHMIS:** D-2B: Poisonous and Infectious Material. Materials causing other toxic effects - Toxic Material.



### Section 16. Other Information

NFPA Ratings:

Health: 1

Flammability: 0

Reactivity: 0

Special Notice Key: None

HMIS Ratings:

Health: 1

Flammability: 0

Reactivity: 0

Protective Equipment: B (Protective Eyewear, Gloves)

When handled properly by qualified personnel, the product described herein does not present a significant health or safety hazard. Alteration of its characteristics by concentration, evaporation, addition of other substances, or other means may present hazards not specifically addressed herein and which must be evaluated by the user. The information furnished herein is believed to be accurate and represents the best data currently available to us. No warranty, expressed or implied, is made and RICCA CHEMICAL COMPANY assumes no legal responsibility or liability whatsoever resulting from its use.