



# SAFETY DATA SHEET

Colonial Chemical Solutions, Inc.

## SECTION 1 · COMPANY AND PRODUCT IDENTIFICATION

### PRODUCT

**Product Name:** BORAX 5 Mol SVM  
**Control Number:** 00230  
**Product Description:** Inorganic Borate

### COMPANY IDENTIFICATION

**Supplier:** COLONIAL CHEMICAL SOLUTIONS, INC.  
916 West Lathrop Avenue  
Savannah, Georgia 31415

**24 Hour Emergency Telephone:** (800)-424-9300 CHEMTREC  
**General Information:** (912) 236-1331

## SECTION 2· HAZARDS IDENTIFICATION

### GHS Classification:

#### [ Health ]

Eye irritation Category 2A  
Skin irritation Category 2B,

#### [ Environmental ]

Acute aquatic toxicity Category 3  
Chronic aquatic toxicity Category 3

#### [ Physical ]

None

### GHS Label elements, including precautionary statements

#### Pictograms



**Signal Word:** Danger

#### Hazard statement(s)

H361 Suspected of damaging fertility or the unborn child.

#### Precautionary statement(s)

P264 Wash skin thoroughly after handling.

P280 Wear eye protection/ face protection.

P281 Use personal protective equipment as required.

P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P308 + P313 IF exposed or concerned: Get medical advice/ attention.

P337 + P313 If eye irritation persists: Get medical advice/ attention.

## SECTION 3 · COMPOSITION / INFORMATION ON INGREDIENTS

CHEMICAL NAME	CAS Number	%WT
Borax pentahydrate	1330-43-4	100

## SECTION 4 · FIRST AID MEASURES

### FIRST AID PROCEDURES:

**Eyes:** Rinse with water for at least 15 minutes. Remove contacts if present. Seek medical attention.

**Skin:** Wash skin with soap and water. If irritation develops and persists seek medical attention.

**Inhalation:** Move person to fresh air. If not breathing, give artificial respiration. Seek medical attention..

**Ingestion:** Never give anything by mouth to an unconscious person. Rinse mouth with water. Seek medical attention.

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## SECTION 5 - FIRE FIGHTING MEASURES

**Extinguishing Media:** Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

**Hazardous combustion products:** Oxides of Borane, Boron and Sodium

**Fire Fighting Procedures:** : As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear.

**Unusual Fire and Explosion Hazards:** None known or expected.

**Fire and Explosion Hazards:** Not considered a fire or an explosion hazard.

## SECTION 6 - ACCIDENTAL RELEASE and DISPOSAL MEASURES

Use personal protective equipment. Avoid dust formation. Ensure adequate ventilation. Evacuate personnel to safe areas. Avoid breathing dust.

**Small Spill:** Use appropriate tools to put the spilled solid in a convenient waste disposal container. Finish cleaning by spreading water on the contaminated surface and dispose of according to local and regional authority requirements.

**Large Spill:** Use a shovel to put the material into a convenient waste disposal container. Finish cleaning by spreading water on the contaminated surface and allow to evacuate through the sanitary system. Be careful that the product is not present at a concentration level above TLV.

## SECTION 7 - STORAGE AND HANDLING

**Handling:** Avoid contact with skin and eyes. Avoid formation of dust and aerosols. Further processing of solid materials may result in the formation of combustible dusts. The potential for combustible dust formation should be taken into consideration before additional processing occurs.

Provide appropriate exhaust ventilation at places where dust is formed.

**Storage:** Keep container tightly closed in a dry and well-ventilated place. Moisture sensitive.

## SECTION 8 - EXPOSURE CONTROLS AND PERSONAL PROTECTION

**Engineering Controls:** Use explosion-proof ventilation equipment. Provide adequate ventilation or other engineering controls to keep the airborne concentrations of vapor or mists below the applicable workplace exposure limits indicated below. The level of protection and types of controls will vary depending upon potential exposure conditions.

**Exposure Limits:** Borax pentahydrate 1 mg/m<sup>3</sup> ACGIH 10 mg/m<sup>3</sup> OSHA

### Personal Protective Equipment (PPE):

**Eyes:** Eye Protection when pouring. Goggles or full-face shield are recommended.

**Skin:** Wear neoprene gloves, apron, and/or clothing. Viton gloves are recommended.

**Clothing:** Selection of protective clothing depends on potential exposure conditions and may include gloves, boots, suits and other protective items.

**Respirators:** Where adequate ventilation is not available an approved respirator must be worn. Respirator selection should be in accordance with the requirements of OSHA Respiratory Protection Standard, 29 CFR 1920.134. In confined areas, use a self-contained breathing apparatus.

**Other Equipment:** Eye wash station and shower in close proximity to use are advised.

## SECTION 9- PHYSICAL AND CHEMICAL PROPERTIES

**Flash Point:** Not Flammable

**Autoignition Temperature:** No available data

**Boiling Point:** Decomposes above 572 °F

**Melting Point:** 1365 °F

**pH:** 9.3 (1% Sol'n)

**Solubility in Water:** 2.56 g/100 ml

**Odor/Appearance:** White powder pellets or flakes with no appreciable odor.

**Flammability Limits:** No available data

**Specific Gravity:** 1.81

**Volatile %:** Nil

**Evaporation Rate (BuAc=1):** No available data

**Vapor Density (Air-1):** No available data

**Vapor Pressure:** Negligible

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## SECTION 10 · STABILITY AND REACTIVITY

**Stability:** Stable under normal use conditions.

**Conditions to Avoid:** Moisture.

**Incompatibility:** Avoid contact with Potassium, Acid anhydrides

**Hazardous Polymerization:** Will not occur.

## SECTION 11 · TOXICOLOGICAL INFORMATION

### Signs and Symptoms of Overexposure:

**Skin:** Dust causes skin irritation, delayed skin redness and rash,

**Eyes:** Dust causes eye irritation, redness and tearing.

**Inhalation:** Dust causes mild respiratory tract irritation.

**Ingestion:** Acute toxic effects of borates in general are nausea, vomiting, diarrhea, and dizziness.

### Acute oral toxicity:

LD50 rat: 2,400 mg/kg

### Acute inhalation toxicity:

LC50 rat: No available data

### Acute dermal toxicity:

LD50 Rabbit: > 2,000 mg/kg

## SECTION 12 · ECOLOGICAL INFORMATION

**Aquatic Toxicity:** Toxicity to fish LC50 - *Limanda limanda* - 74 mg/l - 96 h

**Bio-accumulative potential:** Borax is an inorganic substance and does not biodegrade.

**Mobility:** Product not likely to be mobile in soil.

## SECTION 13 · DISPOSAL CONSIDERATIONS

Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. US EPA guidelines for the classification determination are listed in 40 CFR Parts 261.3. Additionally, waste generators must consult state and local hazardous waste regulations to ensure complete and accurate classification.

## SECTION 14 · TRANSPORTATION

### U.S. DEPARTMENT OF TRANSPORTATION (Road or Rail):

**Proper Shipping Name:** Not a DOT Regulated Material

**Hazard Class:**

**UN/NA:**

**Packaging Group:**

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## SECTION 15 · REGULATORY INFORMATION

### US FEDERAL REGULATIONS

#### **Comprehensive Environmental Response and Liability Act (CERCLA)**

This material is not subject to any special reporting under the requirements of the Comprehensive Environmental Response, Compensation and Liability Act (CERCLA).

**SARA 302:** No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302. The reportable quantity (RQ) for this material has not been established.

**Toxic Substance Control Act (TSCA):** All components of this product are listed on the TSCA inventory list.

#### **SARA Section 311/312 (40 CFR 370) Hazard Categories:**

Chronic Health Hazard

#### **SARA Section 313 (40 CFR 372) Hazard Categories:**

This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

**Clean Water Act:** None of the chemicals in this product are listed as Hazardous Substances under the CWA.

**Clean Air Act:** None of the chemicals in this product are listed as Hazardous Substances under the CAA.

**California Prop 65:** This product contains no chemicals known by the State of California to cause cancer, birth defects or other reproductive harm.

## SECTION 16 · OTHER INFORMATION

**MSDS Creation Date:** January 2015

**National Fire Protection Association (NFPA) Ratings:** This information is intended solely for the use of individuals trained in the NFPA system.

**Health:** 1

**Flammability:** 0

**Reactivity:** 0

The information above is believed to be accurate and represents the best information currently available to us. However, Colonial Chemical Solutions makes no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes. In no event shall Colonial be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential or exemplary damages, howsoever arising, even if Colonial has been advised of the possibility of such damages. The vendor assumes no responsibility for injury or damages resulting from the inappropriate alteration or manipulation of this MSDS and its contents from that originally submitted by Colonial.