

P362	Take off contaminated clothing and wash before reuse
P302+P352	IF ON SKIN: Wash with soap and water
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing
P307+P311	IF exposed: Call a POISON CENTER or doctor/physician
P308+P313	IF exposed or concerned: Get medical advice/attention
P332+P313	If skin irritation occurs: Get medical advice/attention
P337+P313	If eye irritation persists get medical advice/attention
P405	Store locked up
P501	Dispose of contents/container in accordance with local/regional/national/international regulations

Danger



Section 3: Composition/Information on Ingredients

Chemical Name / CAS No.	OSHA Exposure Limits	ACGIH Exposure Limits	Other Exposure Limits
Boric acid (H3BO3) 10043-35-3 60 to 70%		6 mg/m3 STEL (inhalable fraction, listed under Borate compounds, inorganic) 2 mg/m3 TWA (inhalable fraction, listed under Borate compounds, inorganic)	
Trade Secret 10 to 20%		6 mg/m3 STEL (inhalable fraction, listed under Borate compounds, inorganic) 2 mg/m3 TWA (inhalable fraction, listed under Borate compounds, inorganic)	NIOSH: 1 mg/m3 TWA
Trade Secret 1 to 5%			

Section 4: First-aid Measures

Inhalation

Rescuers should put on appropriate protective gear. Remove from area of exposure. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Keep victim warm. Get immediate medical attention. To prevent aspiration, keep head below knees.

Eye Contact

Immediately flush eyes with water. Flush eyes with water for a minimum of 15 minutes, occasionally lifting and lowering upper lids. Get medical attention promptly.

Skin Contact

Remove contaminated clothing. Wash skin with soap and water. Get medical attention. Wash clothing separately and clean shoes before reuse.

Ingestion

If swallowed, do NOT induce vomiting. Give victim a glass of water. Call a physician or poison control center immediately. Never give anything by mouth to an unconscious person.

Section 5: Fire-fighting Measures
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LEL:

UEL:

Extinguishing Media

Use media suitable for the surrounding fires.

Specific Hazards Arising from the Chemical

None known

Special Protective Equipment and Precautions for Firefighters

Special Information: As in any fire, wear self-contained breathing apparatus pressure-demand (MSHA/NIOSH approved or equivalent) and full protective gear.

Section 6: Accidental Release Measures

Spill and Leak Procedures

Vacuum, shovel or sweep up and place in containers for disposal. Avoid contamination of water bodies during cleanup and disposal.

Section 7: Handling and Storage
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Handling Procedures

Use with adequate ventilation. Avoid breathing dusts. Wash thoroughly after handling.

STORAGE:

Dry, indoor storage is recommended.

Section 8: Exposure Control/Personal Protection
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Chemical Name / CAS No.	OSHA Exposure Limits	ACGIH Exposure Limits	Other Exposure Limits
Boric acid (H3BO3) 10043-35-3		6 mg/m3 STEL (inhalable fraction, listed under Borate compounds, inorganic) 2 mg/m3 TWA (inhalable fraction, listed under Borate compounds, inorganic)	
Trade Secret N/A		6 mg/m3 STEL (inhalable fraction, listed under Borate compounds, inorganic) 2 mg/m3 TWA (inhalable fraction, listed under Borate compounds, inorganic)	NIOSH: 1 mg/m3 TWA
Trade Secret N/A			

RESPIRATORY PROTECTION: A respiratory protection program that meets OSHA 1910.134 and ANSI Z88.2 requirements must be followed whenever workplace conditions warrant the use of a respirator.

SKIN PROTECTION: Wear impervious protective gloves. Wear protective gear as needed - apron, suit, boots.

EYE PROTECTION: Wear safety glasses with side shields (or goggles) and a face shield.

OTHER PROTECTIVE EQUIPMENT: Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower.

HYGENIC PRACTICES: Do not eat, drink, or smoke in areas where this material is used. Avoid breathing vapors. Remove contaminated clothing and wash before reuse. Wash thoroughly after handling. Wash hands before eating.

Section 9: Physical and Chemical Properties

<p>pH: 7.3 (1% solution)</p> <p>Melting point: Unknown</p> <p>Solubility: Soluble</p> <p>Flash point: Unknown</p> <p>Flammability: Unknown</p> <p>Specific Gravity: Unknown</p> <p>Decomposition temperature: Unknown</p> <p>Grams VOC less water: Unknown</p> <p>Odor: Unknown</p> <p>Odor threshold: Unknown</p>	<p>Density: Unknown</p> <p>Freezing point: Unknown</p> <p>Boiling range: Unknown</p> <p>Evaporation rate: Unknown</p> <p>Explosive Limits: Unknown</p> <p>Autoignition temperature: Unknown</p> <p>Viscosity: Unknown</p> <p>Appearance: Blue & white speckled granular</p> <p>Vapor Pressure: Unknown</p> <p>Vapor Density: Unknown</p>
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Section 10: Stability and Reactivity

Chemical Stability:
STABLE

Incompatible Materials
Strong oxidizing agents Reaction with strong reducing agents, such as metal hydrides or alkali metals, will generate hydrogen gas, which could create an explosive hazard.

Conditions to Avoid
Excessive heat.

Hazardous Decomposition Products
Carbon monoxide, carbon dioxide. Oxides of nitrogen, and cyanic acid.

Hazardous Polymerization

Hazardous polymerization will not occur.

Section 11: Toxicology Information

Mixture Toxicity
Oral Toxicity LD50: 2,889mg/kg

Component Toxicity

Routes of Entry:
Inhalation
Ingestion
Skin contact
Eye contact

Target Organs
Eyes Skin Respiratory System

Effects of Overexposure

Emergency Overview

Little or no hazard to humans and has low acute oral and dermal toxicity.

Health Effects

Occasional mild irritation effects to nose and throat may occur from inhalation of dust .
Slightly hazardous in case of eye or skin contact (irritant).

CAS Number

Description

% Weight

Carcinogen Rating

Section 12: Ecological Information

Component Ecotoxicity

Boric acid (H3BO3)

48 Hr EC50 Daphnia magna: 115 - 153 mg/L

Section 13: Disposal Considerations

Dispose of in accordance with local, state and federal regulations.

Section 14: Transportation Informations

Refer to Bill of Lading or container label for DOT or other transportation hazard classification, if any.

Section 15: Regulatory Information

Country

Regulation

All Components Listed

Section 16: Other Information

Date Prepared: 7/28/2015

Reviewer Revision

Disclaimer

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