

<b>NFPA</b> 	<b>HCS Risk Phrases</b> <b>HCS CLASS:</b>	<b>Protective Clothing</b> 
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### Section I. Chemical Product and Company Identification

Common Name/ Trade Name	<b>Fritz Boric Acid</b>	Version Date: April 17, 2006
Supplier	FRITZ INDUSTRIES, INC. 500 SAM HOUSTON ROAD MESQUITE, TX 75149 (972) 285-5471 (800) 955-1323	In Case of Emergency. (800) 424-9300 Week Days: (972) 285-5471 (800) 955-1323
Chemical Family	Boric acid	
Material Uses	Oilwell additive	

### Section II. Composition and Information on Ingredients

Name	CAS #	% by Weight	ACGIH	LC <sub>50</sub> /LD <sub>50</sub>
Boric acid	10043-35-3	>92%	2 mg/m <sup>3</sup> TWA, 6 mg/m <sup>3</sup> STEL	<b>ORAL (LD50)</b> mg/kg: Acute: 2660 (Rat)

### Section III. Hazards Identification

Emergency overview	No effects are expected with eye or skin contact, but repeated or prolonged exposure may cause mild irritation. No effect are expected if inhaled, but repeated or prolonged exposure may cause mild irritation to the respiratory tract. Ingestion of large quantities may result in gastrointestinal irritation with nausea, vomiting and diarrhea. May cause nervous system depression, characterized by excitement, followed by headache, dizziness, drowsiness, and nausea.
Notes to Physician	Treat symptomatically and supportively

### Section IV. First Aid Measures

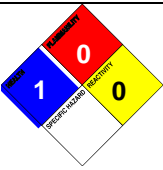
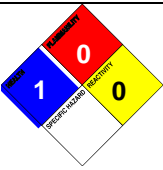
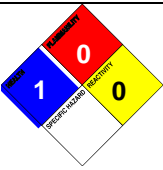
Eye Contact	Immediately flush eyes with running water for at least 15 Minutes, keeping eyelids open. COLD water may be used. If irritation persist, seek medical attention.
Skin Contact	Immediately wash with plenty of water while removing all contaminated clothing. Rinse with water for at least 15 minutes. Seek medical attention.
Inhalation	Immediately go to a well-ventilated area and rest. Seek immediate medical attention. If breathing is difficult, give oxygen. If not breathing give artificial respiration.
Ingestion	Induce vomiting. If person is conscious and alert, give 2 to 4 cupfuls of milk or water. Get immediate medical attention. Never give an unconscious person anything by mouth.

### Section V. Fire and Explosion Data

Flammability of the Product	This material is not considered flammable.
Explosion Hazards in Presence of Various Substances	Not considered an explosion hazard.
Fire Fighting Media and Instructions	Use any means suitable for extinguishing surrounding fire. In the event of a fire, wear full protective clothing and NIOSH-approved self-contained breathing apparatus with full facepiece.

### Section VI. Accidental Release Measures

Leak/Spill	Ventilate area of leak or spill. Clean-up personnel require goggles and MSHA/NIOSH respiratory protection for dust and organic vapors. Pick-up spill in a manner which does not create dust and place in a suitable container for reclamation or disposal in a method that does not generate dust.
Disposal	Whatever can not be saved for reclamation may be disposed by following local, state and federal regulations.

<b>Section VII. Handling and Storage</b>																
Handling	Avoid breakage of the material. DO NOT breathe dust. In case of insufficient ventilation, wear suitable respiratory equipment. If you feel unwell, seek medical attention and show the label when possible. Wash thoroughly after handling.															
Storage	Keep in a tightly closed container, stored in a dry, ventilated area.															
<b>Section VIII. Exposure Controls/Personal Protection</b>																
Engineering Controls	Use process enclosures, local exhaust ventilation, or other engineering controls to keep airborne levels below recommended exposure limits. If user operations generate dust, use ventilation to keep exposure to airborne contaminants below the exposure limit.															
Personal Protection	Splash goggles. Dust mask or respirator are not necessary in areas with adequate ventilation. Be sure to use a MSHA/NIOSH approved respirator when ventilation is inadequate.															
Personal Protection in Case of a Large Spill	A self-contained breathing apparatus should be used to avoid inhalation of the product.															
<b>Section IX. Physical and Chemical Properties</b>																
Physical state and Appearance	solid granules odor: odorless color: white															
pH (4% sol'n)	3.5 – 4.2															
Specific gravity (H <sub>2</sub> O=1)	1.44															
Solubility	4.9 g/100 g water															
<b>Section X. Stability and Reactivity Data</b>																
Stability	The product is stable under ordinary conditions of use and storage															
Incompatibility with various substances																
Hazardous Polymerization	This substance does not polymerize															
<b>Section XI. Toxicological Information</b>																
Routes of Entry	Inhalation, and ingestion.															
Special Remarks on other Toxic Effects on Humans	No remarks															
<b>Section XII. Disposal Considerations</b>																
Waste Disposal	Whatever can not be saved for reclamation may be disposed by following local, state and federal regulations.															
<b>Section XIII. Transport Information</b>																
DOT Classification	Not classified as a hazardous product by the U.S. Department of Transportation.															
<b>Section XIV. Other Regulatory Information and Pictograms</b>																
Other Classifications	WHMIS (Canada) DSCL (EEC)															
HMIS (U.S.A.)	<table border="0"> <tr> <td style="background-color: blue; color: white; padding: 2px;">1</td> <td style="background-color: red; color: white; padding: 2px;">HEALTH</td> <td rowspan="4" style="vertical-align: middle; padding-left: 20px;">National Fire Protection Association (U.S.A.)</td> <td rowspan="4" style="vertical-align: middle; padding-left: 20px;">Health</td> <td rowspan="4" style="text-align: center;">  </td> <td style="vertical-align: top; padding-left: 20px;">Fire Hazard</td> </tr> <tr> <td style="background-color: red; color: white; padding: 2px;">0</td> <td style="background-color: yellow; color: black; padding: 2px;">FLAMMABILITY</td> <td style="vertical-align: top; padding-left: 20px;">Reactivity</td> </tr> <tr> <td style="background-color: yellow; color: black; padding: 2px;">0</td> <td style="background-color: white; color: black; padding: 2px;">REACTIVITY</td> <td style="vertical-align: top; padding-left: 20px;">Specific Hazard</td> </tr> <tr> <td style="background-color: white; color: black; padding: 2px;">b</td> <td style="background-color: blue; color: white; padding: 2px;">PROTECTIVE EQUIPMENT</td> <td></td> </tr> </table>	1	HEALTH	National Fire Protection Association (U.S.A.)	Health		Fire Hazard	0	FLAMMABILITY	Reactivity	0	REACTIVITY	Specific Hazard	b	PROTECTIVE EQUIPMENT	
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<b>Section XV. Other Information</b>																
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