

- Eyes:
   Immediately fush eyes with plefty of water for at least 15 minutes, occasionary fitting the upper and lower eyelids. Get medical aid.

   Skin:
   Flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Get
- medical aid if irritation develops or persists. Wash clothing before reuse. Get medical aid. Do NOT induce vomiting. If conscious and alert, rinse mouth and drink 2-4 cupfuls of milk
- Ingestion: Get medical aid. Do NOT induce vomiting. If conscious and alert, rinse mouth and drink 2-4 cupfuls of milk or water. Wash mouth out with water.

Remove from exposure and move to fresh air immediately. If not breathing, give artificial respiration. If

Inhalation:	breathing is difficult, give oxygen. Get medical aid if cough or other symptoms appear.				
Notes to Physician:	Treat symptomatically and supportively.				
Section 5 - Fire Fighting Measures					
General Information:	As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear. During a fire, irritating and highly toxic gases may be generated by thermal decomposition or combustion. Runoff from fire control or dilution water may cause pollution.				
Extinguishing Media:	Use extinguishing media most appropriate for the surrounding fire.				
Autoignition Temperature: Not applicable.					
Flash Point: Not applicable.					
Explosion Limits: Lower:					
Explosion Limits: Upper: Not available					
NFPA Rating: health: 2; flammability: 0; instability: 0;					
Section 6 - Accidental Release Measures					
General Information:	Use proper personal protective equipment as indicated in Section 8.				
Spills/Leaks:	Vacuum or sweep up material and place into a suitable disposal container. Clean up spills immediately, observing precautions in the Protective Equipment section. Avoid generating dusty conditions. Provide ventilation.				
Section 7 - Handling and Storage					
Wash thoroughly after handling. Remove contaminated clothing and wash before reuse. Use with adequate Handling: ventilation. Minimize dust generation and accumulation. Avoid contact with eyes, skin, and clothing. Avoid breathing dust.					

Storage: Store in a tightly closed container. Store in a cool, dry, well-ventilated area away from incompatible substances.

Section 8 - Exposure Controls, Personal Protection

Chemical Name	ACGIH		OSHA - Final PELs
Sodium tetraborate   decahydrate           	<pre> 2 mg/m3   (inhalable  fraction, listed   under Borate  compounds,   inorganic); 6   mg/m3 STEL  (inhalable   fraction, listed  under Borate   compounds,  inorganic)</pre>	5 mg/m3 TWA               	none listed   

OSHA Vacated PELs: Sodium tetraborate decahydrate: 10 mg/m3 TWA

Engineering Controls:

Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower. Use adequate general or local exhaust ventilation to keep airborne concentrations below the permissible exposure limits.

Exposure Limits

Personal Protective Equipment

- Eyes: Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA's eye and face protection regulations in 29 CFR 1910.133 or European Standard EN166.
- Skin: Wear appropriate protective gloves to prevent skin exposure.

Clothing: Wear appropriate protective clothing to prevent skin exposure.

Respirators: A respiratory protection program that meets OSHA's 29 CFR 1910.134 and ANSI Z88.2 requirements or European Standard EN 149 must be followed whenever workplace conditions warrant respirator use.

Section 9 - Physical and Chemical Properties

		Section 7 Thysical and Chemical Tropentes			
		Physical State: Solid			
		Color: white			
		Odor: odorless			
		pH: 9.5 (5% aq soln)			
		Vapor Pressure: Not available			
		Vapor Density: Not available			
		Evaporation Rate: Not available			
		Viscosity: Not available			
	Boiling Point: 1575 deg C ( 2,867.00°F)				
		Freezing/Melting Point: 741 deg C (1,365.80°F)			
		Decomposition Temperature: Not available			
		Solubility in water: soluble			
		Specific Gravity/Density: 1.7300g/cm3			
		Molecular Formula: B4Na2O7.10H2O			
		Molecular Weight: 381.36			
		Section 10 - Stability and Reactivity			
Chemical Stability:		Stable at room temperature in closed containers under normal storage and handling conditions.			
Conditions to A	void:	Dust generation.			
Incompatibilities with Other Materials		Strong acids, metallic salts, alkaloid salts.			
Hazardous Decomposition Products		Oxides of boron.			
Hazardous Polymerization		Will not occur.			
	,	Section 11 - Toxicological Information			
RTECS#:	CAS# 1303 0	6-4: VZ2275000			
KILCS#.		0-4. VZ2275000			
		<b>6-4:</b> Oral, mouse: LD50 = 2 gm/kg; ) = 2660 mg/kg;			
		<i>j</i> = 2000 mg/kg,			
Carcinogenicity Other:		brate decahydrate - Not listed as a carcinogen by ACGIH, IARC, NTP, or CA Prop 65. y in RTECS for complete information.			
Ouler.	See actual entry				
Not available		Section 12 - Ecological Information			
Not available		Section 13 - Disposal Considerations			
Dispose of in a	manner consister	at with federal, state, and local regulations.			
		Section 14 - Transport Information			
US DOT Shipping Name: N	lot regulated.				
Hazard Class: UN Number:					
Packing Group:					
Canada TDG					
Shipping Name: Not regulated as a hazardous material					
Hazard Class:					
UN Number:					
Packing Group:					

## Section 15 - Regulatory Information

European/International Regulations

European Labeling in Accordance with EC Directives

Hazard Symbols: T

Risk Phrases:

R 61 May cause harm to the unborn child.

R 60 May impair fertility.

Safety Phrases:

S 53 Avoid exposure - obtain special instructions before use.

S 45 In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

WGK (Water Danger/Protection)

CAS# 1303-96-4: 1

Canada

CAS# 1303-96-4 is listed on Canada's DSL List

Canadian WHMIS Classifications: D2B

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the MSDS contains all of the information required by those regulations.

CAS# 1303-96-4 is listed on Canada's Ingredient Disclosure List

## US Federal

## TSCA

CAS# 1303-96-4 is listed on the TSCA Inventory.

Section 16 - Other Information MSDS Creation Date: 7/06/1999 Revision #9 Date 7/20/2009

The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantibility 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 the company 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 the company has been advised of the possibility of such damages.

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