

	5	ECTION 5: FIRE FIGHTING MEASURES
Flashpoint and	Method: Greater than	100° C. (212° F.) Pensky-Martins Closed Tester (ASTM D 93)
Flammable Limi	ts (in air, % by volume)	Lower: No data available Upper: No data available
Autoignition Ter	mperature: Not determ	nined
GENERAL HAZARI	elevated temperature	combustible liquid under OSHA or WHMIS regulations. This product may be ignited at as and can burn after the water has evaporated. The Uniform Fire Code health hazard as product is: <b>Irritant.</b> This product may produce hazardous vapors or hazardous cts.
FIRE FIGHTING INS	STRUCTIONS:	<b>EXTINGUISHING MEDIA:</b> Water fog, foam, CO <sub>2</sub> or dry chemicals.
		Use a water fog or spray to cool the containers exposed to the heat of a fire.
FIRE FIGHTING EQ	UIPMENT:	Fire fighters should wear full protective equipment, including self-contained breathing apparatus.
HAZARDOUS COM	BUSTION PRODUCTS:	When heated to dryness and decomposition, it emits toxic carbon monoxide, carbon dioxide, nitrogen oxides and boron oxide, with trace or ultra-trace toxic oxide amounts, of phosphorus, potassium, sulfur, iron, zinc, manganese, magnesium, calcium and sodium
	SECTI	ION 6: ACCIDENTAL RELEASE MEASURES
LAND: p	umps or vacuum truck emaining liquid using san	rotective equipment and clothing, dike the spill and pick up the bulk of the liquid using for disposal in accordance with Federal, State and local regulations. Absorb the nd, or commercial absorbent; dispose as Federal, State and local requirements dictate. ater; collect the rinsates for disposal as the regulations require.
WATER: d		ective equipment and clothing if contact with hazardous material can occur. Stop or ontaminated water and remove for disposal and/or treatment. As appropriate, notify all bible contamination.
	S	ECTION 7: HANDLING AND STORAGE
	0	Section 7. HANDEING AND STOKAGE
STORAGE TEMPE	RATURE: Ambient	STORAGE PRESSURE: Ambient
GENERAL: Store clothi mists thoro	RATURE: Ambient e in a cool, dry, well ven ing from contact with this or aerosols. Use with ughly after handling this p	
GENERAL: Store clothi mists thoro	RATURE: Ambient e in a cool, dry, well ven ing from contact with this s or aerosols. Use with ughly after handling this p can be ignited and will bur	<b>STORAGE PRESSURE:</b> Ambient ntilated area away from incompatible materials and products. Protect eyes, skin and product. Wear recommended personnel protective equipment. Avoid breathing vapors, n adequate ventilation. Keep the containers tightly closed when not in use. Wash product. The empty containers may be hazardous. They may contain organic residues
GENERAL: Store clothi mists thoro	RATURE: Ambient e in a cool, dry, well ven ing from contact with this or aerosols. Use with ughly after handling this p can be ignited and will bur SECTION 8: E Use a local or general m	<b>STORAGE PRESSURE:</b> Ambient ntilated area away from incompatible materials and products. Protect eyes, skin and product. Wear recommended personnel protective equipment. Avoid breathing vapors, n adequate ventilation. Keep the containers tightly closed when not in use. Wash product. The empty containers may be hazardous. They may contain organic residues rn. Do not cut, puncture or weld on or near these containers.
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GENERAL: Store clothi mists thoro that c CONTROL MEASURES:	RATURE: Ambient e in a cool, dry, well ven ing from contact with this or aerosols. Use with ughly after handling this p can be ignited and will bur <u>SECTION 8: E</u> Use a local or general m below the ACGIH-TLV or <b>ERSONAL PROTECTIVI</b> Respiratory protection exceeded, a NIOSH ap organic vapor cartridge	<b>STORAGE PRESSURE</b> : Ambient Intilated area away from incompatible materials and products. Protect eyes, skin and product. Wear recommended personnel protective equipment. Avoid breathing vapors, in adequate ventilation. Keep the containers tightly closed when not in use. Wash product. The empty containers may be hazardous. They may contain organic residues rn. Do not cut, puncture or weld on or near these containers. <b>EXPOSURE CONTROLS / PERSONAL PROTECTION</b> mechanical exhaust ventilation system capable of maintaining emissions in the work area for levels that may cause irritation.
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GENERAL: Store clothi mists thoro that c CONTROL MEASURES: RECOMMENDED P RESPIRATOR:	RATURE: Ambient in a cool, dry, well ven ing from contact with this or aerosols. Use with ughly after handling this p can be ignited and will bur SECTION 8: E Use a local or general m below the ACGIH-TLV of ERSONAL PROTECTIVE Respiratory protection exceeded, a NIOSH ap organic vapor cartridge a manufacturer's data whe Wear chemical goggles Always consult the pro eyewear prior to use.	STORAGE PRESSURE: Ambient Intilated area away from incompatible materials and products. Protect eyes, skin and product. Wear recommended personnel protective equipment. Avoid breathing vapors, in adequate ventilation. Keep the containers tightly closed when not in use. Wash product. The empty containers may be hazardous. They may contain organic residues rn. Do not cut, puncture or weld on or near these containers. <b>EXPOSURE CONTROLS / PERSONAL PROTECTION</b> Inechanical exhaust ventilation system capable of maintaining emissions in the work area for levels that may cause irritation. <b>E EQUIPMENT</b> is not normally required. If use creates mists or aerosols, or if an ACGIH-TLV is porved full facepiece or half mask air-purifying cartridge respirator equipped with an and a dust / mist pre-filter or supplied air is required. <b>Note</b> : Always consult the respirator en determining the suitability of respiratory protective devices prior to use. (recommended by ANSI 287.1-1979), unless a full facepiece respirator is worn. <b>Note</b> :
GENERAL: Store clothi mists thoro that of CONTROL MEASURES: RECOMMENDED P RESPIRATOR: EYES:	RATURE: Ambient e in a cool, dry, well ven ing from contact with this or aerosols. Use with ughly after handling this p can be ignited and will bur SECTION 8: E Use a local or general m below the ACGIH-TLV of PERSONAL PROTECTIVE Respiratory protection exceeded, a NIOSH ap organic vapor cartridges manufacturer's data whe Wear chemical goggles Always consult the pro eyewear prior to use. Wear Butyl Rubber, No permeation data when d Wear a Butyl Rubber, No safety shower should	STORAGE PRESSURE: Ambient tilated area away from incompatible materials and products. Protect eyes, skin and product. Wear recommended personnel protective equipment. Avoid breathing vapors, a dequate ventilation. Keep the containers tightly closed when not in use. Wash product. The empty containers may be hazardous. They may contain organic residues the contrainers may be hazardous. They may contain organic residues the containers may be hazardous. They may contain organic residues the container or weld on or near these containers. <b>EXPOSURE CONTROLS / PERSONAL PROTECTION</b> mechanical exhaust ventilation system capable of maintaining emissions in the work area or levels that may cause irritation. <b>E EQUIPMENT</b> is not normally required. If use creates mists or aerosols, or if an ACGIH-TLV is porved full facepiece or half mask air-purifying cartridge respirator equipped with an and a dust / mist pre-filter or supplied air is required. Note: Always consult the respirator en determining the suitability of respiratory protective devices prior to use. (recommended by ANSI Z87.1-1979), unless a full facepiece respirator is worn. Note: device eyewear manufacturer's data when determining the suitability of protective

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES					
Appearance:	slightly hazy, medium to dark amber	Bulk Density (pounds/ft <sup>3</sup> ):	Not applicable		
Physical State:	Liquid	Vapor Pressure:	No data available		
Odor:	Unique, characteristic	Vapor Density (air=1):	No data available		
Odor Threshold:	No data available	Evaporation Rate (n-Butyl Acetate=1):	No data available		
Molecular Formula:	Mixture	VOC Content / Organic Matter:	No data available / 10.0%		
Molecular Weight:	Not applicable	% Volatile:	No data available		
Boiling Point:	Greater than 100° C. (212° F.)	Solubility in H₂O:	Complete		
Freezing/Melting Point:	Less than 0° C. (32° F.)	Octanol/Water Partition Coefficient:	No data available		
Specific Gravity:	1.31 @ 20° C.	pH (as is):	7.0–8.0		
Density (pounds/gallon):	Approximately 10.93	pH (1% solution):	No data available		
	SECTION 10: ST	ABILITY AND REACTIVITY			
GENERAL: This proc	duct is stable and hazardous polymeriz				
CONDITIONS TO AVO	ID: Store in a cool dry place, do	not store in direct sunlight.			
<b>INCOMPATIBLE MATERIAL:</b> Strong oxidizers, caustics and acids. It may react with nitrites to create nitrosamines, which may cause cancer.					
HAZARDOUS DECOM	nitrogen a	ed to dryness and decomposition, it emits toxic oxides of carbon d boron, with trace or ultra-trace toxic oxide amounts, of phosphorus, sulfur, iron, zinc, manganese, magnesium, calcium and sodium			
SENSITIVITY TO MEC	HANICAL IMPACT: This produ	ict is <u>not</u> sensitive to mechanical impa	ct.		
SENSITIVITY TO STATIC DISCHARGE: This produce		ct is <u>not</u> sensitive to static discharge.			
	SECTION 11: TOX	ICOLOGICAL INFORMATION			
Components:	Boric Acid	Monoethanolamine			
Eye Contact Rabbit:	No data available	Irritant Similar to OEC	CD Guideline 404		
Skin Contact:	Human Standard Draize Test: 15 mg/	3 Days ; Mild No sensitizing effect (	No sensitizing effect (OECD Guideline 406)		
Oral Rat LD₅₀:	2,660 mg/kg	1,515 mg/kg (OECD	OECD Guideline 401)		
Dermal Rabbit LD <sub>50</sub> :	No data available (Dermal Infant TD <sub>t</sub>	₀: 1,200 mg/kg) 2,504 mg/kg (OECD	Guideline 402)		

Inhalation Rat LC <sub>50</sub> :	28 mg/m³/4 hours	>1.3 mg/l (IRT) Exposure time 6 hours
Human Data:	Oral Woman LD <sub>Lo</sub> : 200 mg/kg	No data available
Other Toxicological Data:	Oral Child TD <sub>L</sub> o: 500 mg/kg; Gastrointestinal Effects: Nausea or vomiting	None
Carcinogenicity:	No data available	Assessment of carcinogenicity: The whole of the information assessable provides no indication of a carcinogenic effect.
Teratogenicity:	Oral Rat TD <sub>Lo</sub> : 6,600 mg/kg (female 1 – 21 Days pregnant); Effects on Embryo or Fetus – Fetotoxicity; Specific Developmental Abnormalities – Musculoskeletal system	In animal studies substance did not cause malformations
Mutagenicity:	Bacteria – E Coli Mutations in Microorganisms: 17,000 ppm/24 hours (-S9)	No known effects in humans or animals
Synergistic Products:	None reported	Not known
Target Organs:	Eyes, Skin, Lungs, Kidneys, Gastrointestinal & Central Nervous Systems	Eyes, Skin, Lungs
Medical Conditions Aggravated By Exposure:	Skin, Respiratory, Kidney or Gastrointestinal disorders	Data available do not indicate that there are medical conditions that are generally recognized as being aggravated by exposure to this substance/product

## SECTION 12: ECOLOGICAL INFORMATION

## ENVIRONMENTAL FATE:

This product is completely soluble in water and may cause a slight increase in pH (no more than 2 units). No specific environmental fate data is available, but the organic portion of this product is expected to be biodegradable.

## ENVIRONMENTAL CONSIDERATIONS:

The aquatic toxicity for this product has not been determined.

	SECTION 13: DI	SPOSAL CONSIDERATIONS
RCRA 40 CFR 261 CLASSIFICATIO	Non-Hazardous	Waste
U.S. EPA WASTE NUMBER/DESCI	RIPTION: Not applicable	
that it does not exhibit the	characteristics of a hazard As a non-hazardous liquid	neet the criteria of a hazardous waste as defined under 40 CFR 261, in dous waste of Subpart C, nor is it listed as a hazardous waste under waste, it should be disposed of in accordance with all local, state, and roper disposal method.
	SECTION 14: TRA	NSPORTATION INFORMATION
DOT PROPER SHIPPING NAME:	NOT DOT REGULATED (UN	IITED STATES)
	Hazard Class: Not ap	oplicable UN Number: Not applicable Packing Group: Not applicable
	•	Required Subsidiary Label(s): None Required
DOT Benertable Overtity (BO):	Primary/Subsidiary Plac	
DOT Reportable Quantity (RQ): Marine Pollutant:	Not listed No	RQ for Product: Not applicable
2012 North American Emergency		Not applicable
TDG PROPER SHIPPING NAME:	NOT RESTRICTED	
	Hazard Class: Not ap	plicable <b>UN Number:</b> Not applicable <b>Packing Group:</b> Not applicable
	Primary Label: None Primary/Subsidiary Plac	Required Subsidiary Label(s): None Required cards: None Required
TDG Reportable Quantity (RQ): *	Not applicable	
TDG Schedule XII:	Not listed	
Regulated Limit (RL): **	Not listed	RL for Product: Not applicable
Other Shipping Information:	None	
RQ, that meet the definition of a "dangeror TDGR 9.13(1) and 9.14(1). ** Reportin The regulated limits are found in Schedule	us occurrence <sup>®</sup> (a threat to life, hea ng to Environment Canada is require a XIII of the TDGR. <b>SECTION 15: RI</b>	art IX, Table I, Quantities or levels for Immediate Reporting: releases of reportable quantities, Ith, property, or the environment) must be reported to the appropriate authorities as outlined in ed for any releases exceeding the regulated limits, RL, of 9.2 materials (primary or secondary). EGULATORY INFORMATION
COMPONENTS:	Boric Acid	<u>Monoethanolamine</u>
<u>OSHA Target Organs:</u>	Eyes, Skin, Lungs, Kidneys, Gastrointestinal & Central Nervous Systems	Eyes, Skin, Lungs, Liver & Kidneys
Carcinogenic Potential:		
Regulated by OSHA:	No	No
Listed on NTP Report:	No	No
Listed by IARC: IARC Group:	No Not applicable	No Not applicable
ACGIH Appendix A:	Not listed	Not listed
A1 Confirmed Human:	Not applicable	Not applicable
A2 Suspected Human:	Not applicable	Not applicable
U.S. EPA Requirements Release Reporting CERCLA (40 CFR 302)		
Listed Substance:	Not listed	Not listed
Reportable Quantity:	Not applicable	Not applicable
Category:	Not applicable	Not applicable
RCRA Waste No.: Unlisted Substance:	Not applicable Not applicable	Not applicable Not applicable
Reportable Quantity:	Not applicable	Not applicable
Characteristic:	Not applicable	Not applicable
RCRA Waste No.:	Not applicable	Not applicable

SEC	TION 15: REGULAT	DRY INFORMATION (	Continued	from Page 4)	
COMPONENTS:	Boric Acid	Monoethanolamine			
<u>SARA TITLE III</u>					
Section 302 & 303 (40 CFR 355					
Listed Substance:	Not listed	Not listed			
Reportable Quantity:	Not applicable	Not applicable			
Planning Threshold:	Not applicable	Not applicable			
Section 311 & 312 (40 CFR 370	,				
Hazard Categories (product):			Reactive: <u>N</u>	Acute Health: Y	Chronic Health: <u>N</u>
Planning threshold:	10,000 pounds	10,000 pounds			
Section 313 (40 CFR 372):					
Listed Toxic Chemical:	Not listed	Not listed			
Reporting Threshold:	Not applicable	Not applicable			
U.S. TSCA Status					
Listed (40 CFR 710):	Yes	Yes			
State Regulations					
State of California: Safe Drink	ing Water and Toxins Enfo	orcement Act, 1986 (Propo	sition 65):		
Carcinogen:	No	No			
Reproductive Toxin:	Possible	No			
Other Regulations					
State Right To Know Laws:	MA, NJ, PA				
Product Information: Controlled Product: WHMIS Hazard Symbols: WHMIS Class & Division:	Yes (Boric Acid) Material Causing Other D.2A	Toxic Effects (Very Toxic)	1		
Ingredient Information:					
IDL Substance:	Yes	Yes			
DSL or NDSL Lists:	DSL	DSL			
	SECTION	16: OTHER INFORM	MATION		
Special Notes:					
This product is not man cancer and/or birth defec	ufactured, or formulated ts or other reproductive h		which the S	tate of California h	as found to cause
· · · · ·					
Special Instructions:					
Do not add nitrites to Bo					
Do not add nitrites to Bo nitrosamines have been	found to cause cancer in				
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Do not add nitrites to Bo nitrosamines have been from incompatible materia	found to cause cancer in als and products. Revised Date: 8/21/2023 nc.		pre this produ		

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