Material Safety Data Sheet

May be used to comply with OSHA's Hazard Communication Standard. 29 CFR 1910.1200 Standard must be consulted for specific requirements.

U.S. Department of Labor

Occupational Safety and Health Administration (Non-Mandatory Form)
Form Approved

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OMB No. 1218-0072 IDENTITY (As Used on Label and List) Note: Blank spaces are not permitted. If any item is not applicable, or no information is available, the space must be marked to indicate that. Vapo-Steril Section I Manufacturer's Name **Emergency Telephone Number:** To be used only in the event of a chemical emergency involving a spill, leak, fire, exposure or accident involving this product. 1-800-424-9300 Chemtrec Barnstead|Thermolyne Address (Number, Street, City, State, and ZIP Code) Telephone Number for Information (800) 553-0039 Date Prepared 2555 Kerper Boulevard 10/09/00 Signature of Preparer (optional) Dubuque, IA 52001 Section II - Hazardous Ingredients/Identity Information Other Limits Hazardous Components (CAS numbers) **OSHA PEL ACGIH TLV** Recommended % (by weight) Ethanol (64-17-5) 1000 ppm 1000 ppm None 72.38 Methanol (67-56-1)* 200 ppm 200 ppm None < 4% Formaldehyde (50-00-0)* 0.75 ppm 0.3 ppm 0.5 ppm action 0.23 level *SARA Title III Section 313 reportable chemical NFPA HAZARD RATING: имаві

Section III - P	ysical/Chemical	Characteristics
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Boiling Point	188°F	Specific Gravity (H ₂ O) = 1)	0.830
Vapor Pressure (mm Hg)	50.0 mm Hg	Melting Point	N/A
Vapor Density (AIR = 1)	1.59	Evaporation Rate (Butyl Acetate = 1)	1.39

Solubility in Water 100% @ 20°C.

Appearance and Odor Clear Liquid - pungent odor

Section IV - Fire and Explosion Hazard Data

Flash Point (Method Used) ASTM D93: 75°F.		Flammable Limits For Ethyl Alcohol		3.3%	^{UEL} 19%	
Extinguishing Modio Class	a P Chamical Dawder					

Extinguishing Media Class B Chemical Powder

Special Fire Fighting Procedures None for small quantities.

Unusual Fire and Explosion Hazards None for small quantities.

Section V - Re	activity Data							
Stability	Unstable							
	Stable	Х	Keep away fro	om sparks, fl	ames, he	eat or other ig	nition sou	rces.
Incompatibility (Mate	rials to Avoid) Concentra	ted Nitric	& Sulfuric Acids	, strong Oxid	dizing Ag	ents.		
Hazardous Decompo	sition or Byproducts Burn							
Hazardous	May Occur							
Polymerization	Will Not Occur	X						
Section VI - He	ealth Hazard Data							,
Route(s) of Entry:		tion? YES	Skin	YES	E	yes? YES	Ingestion	YES
Health Hazards (Acu	(a. a. d. Ohana a'a)		ye damage and		kin and i		ensitization	
							, ioitizatioi	
	Chroni	c - Formal	dehyde is a sus	pected carcii	nogen.			
Carcinogenicity:	NTP?	YES	IARC	Monographs?	YES	OSHA	Regulated?	YES
Signs and Symptoms	of Exposure Irritation	n to eye a	nd skin.					
Medical Conditions Generally Aggravated	d by Exposure None K	nown						
Emergency and First		lush under r	sh with large amount running water for at					
Section VII - P	recautions for Safe	Handling	g and Use					
Steps To Be Taken in	Case Material is Released	or Spilled	Extinguish and	do not turn o	n any igi	nition source.	Flush sm	all spills
	r suitable protective							
	lod Ignitable, should					e regulations.	•	
Precautions to Be Ta	ken in Handling and Storing	Keep aw	ay from heat or	open flames	5.			
Other Precautions	Store in a cool, dry a	rea.						
Section VIII - A	dditional Informati	on						
California Prop 65	Warning: This product	contains	formaldehvde, a	chemical kn	nown to t	he State of Ca	alifornia to	cause
cancer								
Section IX - Co	ontrol Measures							
Respiratory Protection	n (Specify Type) Use in	a well ver	ntilated area. Av	oid inhalatio	n of vapo	or.**		
Ventilation	Local Exhaust	See OSHA Requirement			Special	Not applicab	ole	
	Mechanical (General)	No	lot applicable		Other	Not applicab	le	
Protective Gloves	Neoprene gloves reco	ommended	d	Eye Protection	Safety gl	asses or gog	gles	
Other Protective Clot	hing or Equipment None)						
Work/Hygenic Praction	ces Employee inform	ation and	training required	** California State Dep	partment of Food a	and Agriculture has requeste nd when opening the door o	d the following be incl if the sterilizer after the	uded: Attention: Wear e treatment cycle.