	·	OSHA Hazai	rd Commu	TY DATA Micetion 1910.1200	Btandard					· · · · · · · · · · · · · · · · · · ·	
			Sect	ion t							
Product Name: VANGUARD					Monufactured By: Taylor Laboratories, IncAddress: P.O. Box 15146, Chattenooga, TH 37415 Business Phone: 4213-267-5601 -Emergency Phone: 423-267-5601						
Product Code: DI-1392											
Chemical Family: Germicidal Cleaner and Deodorizer											
Chemical Formula: Mixture					Distributed By: MORTH GEORGIA PAPER Address: PO BOX 1507, BLUE RIDGE, GA 30513						
MSDS Revision Date: 12/28/98					Business Phone: (704) 632-2055 Emergency Phone: (706) 632-2055						
Department of Tra	naporta	tion Federal I	lotor Ca	rrier Ne	zerdoue Mate	rial Shipping	Requiet	ons			
Proper Shipping Name: Not regulated					Mazard Classification: Not regulated						
Identification Number: Not regulated				For Transportation Emergencies, Call: Chemtrec 1-800-424-9300							
	Section	n 11 - Hezardo	ous Ingr							,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	
HAZARDOUS COMPONENT	NATACON CONTRACTOR		OSHA		ACGIH TLV						
Cheleting agents		N/A	N.E		¥.E.	Eye Irritation Hazard				,	
Z-Butoxyethanol		111-76-2		CM .	25 ppm	SARA Title 313					
				l							
SUPERFUND AMENDMENTS AND REAUTHORIZA Chamicals appearing in 40 CFR 372 (distributed to end-users, For help (ATION A Section and add	CT of 1986 (SA 313). Section Mitichal inform	RA) Tit 313 in mation c	ie III ro formetion oncerning	equires subm n must be in g Title III	ission of annu- cluded in all call the EPA H	al repor MSDS's t	ts of re hat are it 1-800	copies	of toxion	
Section 313 Component		Percent			Section 313 Component Percent						
2-Butoxyethanol	1.0 - 3.0 %										
	Se	ction III - Ph	vsical/	Chemical	Cheracteria	ties.	·	<u> </u>	-	·	
Boiling Point: 212 degrees F		Section III - Physical/Chemical Cheracter(stics Vapor Pressure (mm kg): N/A Summary of Hazard Rating (HMIS)									
Freezing Point: N/A	_	r Density: N/			W						
ря (1%): 8.72	Evap	oration Rate:	H/A			Health: Fire and explosion: Resctivity:		0-Minte	Key -Hinimal 3-High		
Solubility in Weter: Excellent	Spec	ific Gravity (H2O=1):	1.009	Fire an			1-Slight 4-Extreme			
Appearance and Odor: Translucent,	blue l	iquid with a f	reah flo	oral odo	1		0	L NOOE			
	·	Section IV									
Flash Point (method): Not combustible										N/A	
Extinguishing Media: Use appropria	ite med	ie for surroun	ding str						1022	7/1	
Special Fire fighting Procedures: where amoke or fumes can drift or a	As with	h all chemical stc.	fires,	Wear a 6	elf-contain	ed breathing a	pparetus	in conf	ined a	rese or	
Unuauel fire and Explosion Hazard:	N/A										
		Section	n V - R∈	eactivity	Date		• • •				
Stability (unstable/stable): Stabi				Hazardou	s Polymeriz	stion: Will n	ot occur			,	
Stability Conditions to Avaid: Hig											
Incompatibility (Materials to Avoid): H//	\	···	······································	***		· · · · · · · · · · · · · · · · · · ·	<u>.</u>			
Hazardous Decomposition or By-produ	cts: (Xides of carbo	on end n	itrogen	may form upo	on thermal deco	ompositie	on.			

12/28/98 Material Safety Data Sheet DI-1392 - VANGUARD Page 2 Section VI - Weslth Hazard Data Threshold Limit Value: Not-established Skin? No Indestion? Yes Inhalation? No Route(s) of Entry: Mealth Hazards-Acute: EYES-May cause irritation. INGESTICM-May cause gastrointestinal irritation, vomiting, nauses, diarrhea. SKIN-Causes irritation or defatting of the akin; prolonged exposures may allow 2-Butoxyethanol to be absorbed resulting in possible hemoglobinuris. INHALATION-May cause irritation to nose, throat, mucous membranes. Severe exposures can cause hemolysis (destruction of red blood cells). Health Hezerds-Chronic: N/A Carcinogenicity: Not carcinogenic OSKA Regulated? Not cardinogenic NYP? Not carcinogenic Effects of Dverexposure: Causes irritation to skin, eyes, mucous membranes, digestive system, and respiratory system. Prolonged air exposures of 2-Butoxyethanol above the OSHA permissible exposure limit or prolonged skin contact may cause blood, kidney, and/or liver damage. Emergency and First Aid Procedures: Ingestion (swellowing): DO NOT INDUCE VOMITING! Drink large quantities of clear water or milk. If vomiting occurs, keep head below hips to prevent breathing of liquid into the lungs (sepiration hezard). Call a physician imediately. Skin Contact: Flush exposed area for at least 15 minutes if irritation develops. Apply skin lotion if defetting occurs. Seek medical attention if irritation persists. Eye Contect: Flush eyes with water for at least 15 minutes being careful to flush areas behind the eyelids. Seek medical attention if irritation persists or develops. Section VII - Spill or Leak Procedures Steps To Be Taken In Case Material is Released or Spilled: Do not discharge affilient containing this product into lakes, atrems, ponds, astuaries, oceans, or other waters unless in accordance with the requirements of a National Pollutant Discharge Elimination System (NPDES) parmit and the permitting authority has been notified in writing prior to discharge. Do not discharge effluent containing this product to sever systems without previously notifying the local sewage treatment plant authority. For guidance contact your State Water Board or Regional Office of the EPA. Waste Disposal Method: This material is regulated under SARA Title III. Follow all local, state, and federal regulations to ensure proper and responsible disposal of this product. Section VIII - Special Protection Information Respiratory Protection (specify type): Maintain general ventilation as required for normal plant operation. Ventilation: Maintain general ventilation as required for normal plant operation. Local Exhaust: Maintain general ventilation and exhaust for normal plant operation. Machanical (general): Maintain general ventilation for normal plant operation. Protective gloves: Wear rubber or vinyl gloves for prolonged exposures. Eye Protection: Wear approved glasses or goggles if eye contact is possible. Other Protective Equipment: N/A Section IX - Special Precautions Precautions To Be Taken in Handling and Storage: Avoid contact with eyes, skin, and clothing. Wash thoroughly with soap and water after handling. Wash contaminated clothing thoroughly before reuse.

Other precautions: Keep out of reach of children.

Section X - User Responsibility

The responsibility to provide a safe workplace remains with the user. The user should consider the health hezards and safety precautions required in an individual operation to instruct employees and develop work practice procedures for a safe work environment.

environment.
The information contained herein is, to the bast of our knowledge and belief, accurate. It is the responsibility of the user to comply with all applicable federal, state, and local laws and regulations.