

BioVAC™ SDS

1. IDENTIFICATION					
Product Name	BioVAC™	Manufacturer	Microlyium Laboratories Inc.		
Registration	CAN	Class I	5000M Dufferin Street, Toronto, Canada, M3H 5T5 www.microlyium.com		
	US FDA	D142280			
Indication	Enzymatic detergent concentrate	Phone	416-667-7040		
Emergency Phone #	CHEMTRIC	Fax	416-667-0071		
2. HAZARD IDENTIFICATION		1-800-424-9300	CANUTEC 1-613-996-6666		
Symbol Pictogram		Signal Word	Irritant		
		Symbol	Exclamation mark		
Hazard Classification	Not Applicable				
Health Hazard	No Serious Health Hazards	Environmental Hazards	Biodegradeable		
Precautionary & Hazard Statements	P102: Keep out of reach of children. P301: IF SWALLOWED: Drink large quantities of water or milk. P305: IF IN EYES: Flush eyes with large quantities of water.	H302: Harmful if swallowed. H317: May cause an allergic skin reaction. H320: Causes eye irritation.			
3. COMPOSITION					
Chemical	CAS #	LD-50 (Oral, mg/kg)	Concentration (%)		
Chlorhexidine Gluconate	18472-51-0	2,000 (Rat)	1.60%		
4. FIRST AID MEASURES					
Inhalation	If breathing is difficult, remove individual to fresh air.	Ingestion	Drink large quantities of milk or water to dilute. Do not induce vomiting.		
Skin Contact	If irritation occurs, rinse area thoroughly	Eye Contact	Flush with plenty of water for 20 minutes.		
Most Important Symptoms and Effects (Acute and Delayed)					
Not Applicable.					
Indication of any Immediate Medical Attention and Special Treatment Needed					
Not Applicable.					
5. FIREFIGHTING MEASURES					
Non-flammable.					
6. ACCIDENTAL RELEASE					
Use a paper towel to absorb and dispose with domestic garbage.					
7. HANDLING & STORAGE					
Store in a cool, dry, well-ventilated location. DO NOT mix with bleach or peroxides. Storage and Transport: 0°- 30°C					
8. EXPOSURE CONTROLS/ PERSONAL PROTECTION					
No specific measures required.					
9. PHYSICAL AND CHEMICAL PROPERTIES					
Physical State	Colour	Odour	Solidification point		
Transparent, Liquid	Purple	Blueberry	-8°C		
			Boiling point OECD 103		
			105°C		
			Flash Point		
			N/A		
			Density g/ml @ 25°C		
			1.05		
			pH		
			9.9		
			Kinematic Viscosity		
			80 mm²/s		
10. STABILITY AND REACTIVITY					
Stable under normal conditions. Incompatibility: Strong oxidants, acid chlorides, silver salts. Decomposition: Products: CO ₂ , CO					
11. TOXICOLOGICAL DATA					
Acute Dermal Toxicity	Not found to be dermal sensitizer		Acute Oral		
	N/A		N/A		
Ocular Irritation	0.0 severity after 7 days		Acute Inhalation Toxicity		
	N/A		N/A		
Reproductive Hazards	None		Carcinogenicity		
	N/A		None		
12. ECOLOGICAL INFORMATION					
Surfactants are readily biodegradable in soil and water.					
13. DISPOSAL CONSIDERATIONS					
Domestic.					
14. TRANSPORT INFORMATION					
Not Applicable.					
N/A	Land		Sea		
	N/A		N/A		
	N/A		N/A		
	N/A		N/A		
15. REGULATORY INFORMATION					
TSCA – No reporting required.		CERCLA – No hazardous pollutants or ozone depletion.			
16. OTHER INFORMATION					
The information and recommendations contained herein are based on information believed to be correct. It is offered in good faith, without guarantee. Microlyium Laboratories Inc. make no warranty expressed or implied.					
Effective Date: 2025/10/31		Document: VAC 2.0			