



Get Suction Back on Track

FDA D142280

Controlled Foam Detergent

Dilutable - Ultra Concentrated

Class One Medical Device

Colour: Violet | Scent: Blueberry

Protocol

Available Sizes:

1 L EcoPACK (03-VAC2-001)

5 L EcoPACK (03-VAC2-005)

Purpose:

BioVAC™ provides fast effective cleaning in the presence of bioburden in turbulent flow applications like dental evacuation systems.

Suitable for:

All evacuation and fluid pump systems that require enzymatic cleaning to prevent blockages, while minimizing the impact on the Environment, People and Equipment.

Applied Cleaning Concepts:

BioVAC™ contains biodegradable surfactants for cleaning, four enzymes Amylase, Lipase, Cellulase and Protease to digest body fluids and proteins rapidly and chelating agents that trap heavy metals such as Mercury. Impellers in closed-flow systems that are clogged with corrosion causing gross debris that impede functionality can be effectively cleaned with BioVAC™. Recommended by leading Amalgam Separator manufacturers to reduce effluent.

Quality Commitment:

Our vision of cleaning holistically links the patient/client safety with the safety of professional staff. Our chemistry is based on antiseptics of pharma grade (USP EP BP NF) origin. Quality ingredients include biodegradable surfactants (many of which are plant based), 4 enzymes and naturally derived scents. OECD 301D Tests conclude biodegradability (28 days). Our EcoPACK™ concept delivers fresh product (no Oxidation) and is fully recyclable. (EVOH bag/Recycled Corrugated Box)

Instructions for Use:

For Suction and Pump systems dispense 50 mL of BioVAC™ into a measuring cup.
Add to 2L of warm water in a mixing container (1 part BioVAC™ to 40 parts water).

Medical/dental suction systems:

Put high volume evacuation and saliva ejector into a cup (250 mL) of diluted BioVAC™ (use only one cup of solution per line), turn on for 2-3 seconds (draw maximum 250mL of solution through each system line), then turn off while tip is submerged in the liquid. Let stand overnight. BioVAC™ is indicated as a daily use product, however, it may be used after each patient if concerns exist.

Pump-circulation systems:

Dilute 1:100 to clean and refresh pump/bath systems in Agriculture.
FOR USE IN CIRCULATING FOOT BATHS & TUBING – use same dilution and circulate for at least 5 minutes.

Precautions:

AVOID CONCURRENT USE WITH BLEACH - Staining (yellow/brown) can occur. On some surfaces, this can be removed by soaking in Borax™ (Sodium Borate).

Helpful Tips:

EXCESSIVE FOAMING will NOT occur when directions are followed. BioVAC™ is a "controlled-foam" product. Use only one cup of solution per line.
AFTER MIXING, BioVAC™ remains effective and excess may be stored for up to 60 days.
LEFTOVER SOLUTION can be poured down drains or plaster sinks to reduce unpleasant odours.
See our website for specific details: www.micrylium.com/products



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1. IDENTIFICATION										
Product Name		BioVAC			Manufacturer		Micrylium Laboratories Inc.			
Registration		CAN	Class I		Address		5000M Dufferin Street, Toronto, Canada, M3H 5T5 www.micrylium.com			
		US FDA	D142280							
Indication		Enzymatic detergent concentrate			Phone		416-667-7040			
Emergency Phone #		CHEMTREC			Fax		416-667-0071		1-800-424-9300	
					CANUTEC		1-613-996-6666			
2. HAZARD IDENTIFICATION										
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	Boiling point OECD 103	Flash Point	Density g/ml@ 25°C	pH	Kinematic Viscosity		
Transparent, Liquid	Purple	Blueberry	-8°C	105°C	N/A	1.05	9.9	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			
Ocular Irritation		0.0 severity after 7 days			Acute Inhalation Toxicity		N/A			
Reproductive Hazards		None			Carcinogenicity		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			Air (IATA)		
		N/A			N/A			N/A		
		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. Micrylium Laboratories Inc. make no warranty expressed or implied.										
Effective Date: 2022/05/22				Revision Date: 2025/10/02			Document: VAC 1.5			