



SDS

Emergency

CANUTEC
613-996-6666
CHEMTREC
800-424-9300

Effective Date July 01, 2014

Document/Revision SDS VAC 1.3

1 Identification **BioVAC** Indication Evacuation System Disinfectant
Manufacturer Micrylium Laboratories Inc. 5000M Dufferin Street, Toronto, Canada M3H 5T5
 Contact: 800-489-8868 www.micrylium.com

2 Hazard Identification	Health Hazard Identification	Physical Hazard Identification			Environmental Hazard Identification	
	No serious Health Hazards	None			Biodegradable, No Endocrine Disruptors	
Hazardous Component	CAS#	UN#	R Phrases	Concentration	TLV	
None	None	None	None	None	None	

3 Composition Chemical Characterization CHG, Non-Ionic Surfactants, Enzymes (Amylases, Lipases, Cellulases & Proteases), Anticorrosives

4 First Aid Measures

General Rinse with water	Inhalation Remove victim to fresh air	Ingestion Do not Induce vomiting. Victim should drink large quantities of water.
Skin contact If causes irritation, rinse thoroughly.	Eye contact Flush eyes with water for 20 minutes.	

5 Fire Fighting Measures
N/A

6 Accidental Release Measures
Use paper towel to absorb, dispose with domestic garbage.

7 Handling & Storage
Store in a cool, dry well ventilated location. Keep away from heat, sparks and flame. DO NOT mix with Bleach or Peroxides. Storage & Transport 5° - 30° C

8 Exposure Controls-Personal Protection
No specific measures required. Personal Protective Equipment not required.

9 Physical & Chemical Properties								Kinematic Viscosity
Form	Colour	Scent	Solidification point	Boiling point	Flash Point	Density	pH	mm ² /s
Liquid	Blue-violet	Blueberry scent	-8°C	105°C	na	1.06	8.5	90

10 Stability & Reactivity
Stable under normal conditions
Incompatibility Strong oxidants, acid chlorides, silver salts
Decomposition products CO₂ CO

11 Toxicological Data
 Acute Dermal LD₅₀ >5000 mg/kg; Acute Inhalation rat LC₅₀: 2.3 mg/L;
 Not found to be a dermal sensitizer: Acute Oral LD₅₀ >5000 mg/kg; Ocular Irritation 0.0 after 7 Days.
 Tests performed by Product Safety Labs, Dayton, NJ All Ingredients Food or Pharma Grade - Free of Nonyl Phenyl Ethoxylates
Reproductive Hazards None
Carcinogenicity None

12 Ecological Information
Surfactants are readily biodegradable linear ethanol ethoxylates. All ingredients USP Pharma or Food Grade
Soil Readily biodegrades
Water Readily biodegrades
Air Slightly Volatile
Disposal Domestic

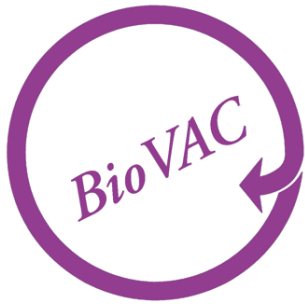
13 Disposal considerations Domestic, no restrictions

14 Transport Information	Land	Sea	IATA
	Not Regulated	Not Regulated	Not Regulated

15 Regulatory
 TSCA -No reporting required all ingredients are listed in inventory.
 CERCLA - No hazardous pollutants - No Ozone depletion

16 Other Information
 The information and recommendations contained herein are based upon data believed to be correct. However, no guarantee or warranty of any kind, expressed or implied, is made with respect to information and recommendations contained herein.

Tubing



Description

Evacuation System & Tubing Cleaning Disinfectant Concentrate

Blueberry Scent

Test Results

5 Minute contact

Pseudomonas aeruginosa

ATCC 15442 (10% soil/bioburden) **Biolenia**

Salmonella enterica (choleraesuis)

ATCC 10708 (10% soil/bioburden) **Biolenia**

Staphylococcus aureus

ATCC 6538 (10% soil) **Biolenia**

Escherichia coli

NCTC 10541 (10% soil) **Biolenia**

Trichophyton mentagrophytes

ATCC 9533 (10% soil) **Biolenia**

Trichophyton menghini

ATCC 12106 (10% soil) **Biolenia**

Features

Responsible to the Environment

Enzyme Cleaner Chelating Formula

Neutral pH Non-Corrosive

Staff Friendly

2x Concentrated

Benefits

BioVAC contains NO quats, phenols or aldehydes. **BioVAC** does not contain recently noted hormone disrupting surfactants based on Nonyl-phenyl Ethoxylates. Contains Natural source biodegradable surfactants and complies with all sewer regulations.

Amylase, Lipase, Cellulase & Protease enzymes destroy body fluids and proteins rapidly. Special Chelating agents trap heavy metals such as Mercury. Recommended by leading Amalgam separator manufacturers to reduce effluent.

BioVAC will not corrode metals, especially kind to brass, all types of plumbing materials, stainless steel and aluminum. Most competitive products rely on acid or caustic formulations.

Protects staff from tubing generated aerosols of toxic chemicals. **BioVAC** protects staff from Cross-Contamination when solutions are circulating through traps or filters.

1:40 Dilution liquid mixes instantly. Easy storage with concentrated formula.

Availability 50 mL Single Use pouch (case of 20) • 5 L Bulk Bag-in-Box

Protocol

50 mL of **BioVAC** should be added to 2 L of warm water in a mixing container.

DENTAL SUCTION SYSTEMS

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

Helpful Tips

EXCESSIVE FOAMING will NOT occur when directions are followed. **BioVAC** is a "controlled-foam" product. It is non-corrosive and will not damage suction equipment.

FOR USE IN CIRCULATING FOOT BATHS & TUBING - use same dilution and maintain contact time > than 5 minutes

USE LEFTOVER SOLUTION IN drains or plaster sinks to reduce unpleasant odors.

AFTER MIXING **BioVAC** remains EFFECTIVE and excess may be stored for up to 60 days.

Frequently Asked Questions

Why do I need a special EVACUATION solution like **BioVAC** ?

Odor from system traps is mostly caused by bacterial growth. Reducing the numbers on a regular basis will make this a more pleasant and safe area. Recent discussion of suck-back potential of the saliva ejector necessitates a disinfection protocol.

Why is **BioVAC** color sometimes variable? Depending upon storage conditions, the enzymes may reduce the food-grade colors. This has no bearing on effectiveness.

Effective Date 14/07/01

Document: VAC PF 001.03



Micrylium

PROFESSIONAL DISINFECTION

Kinder • Safer • Faster

www.micrylium.com

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