

It's All in Good Taste :)

CA DIN 02240323 / FDA 973765

Complete Waterline Treatment

Ready to use (PH Neutral)

Class One Medical Device

Colour: Blue | Scent: Licorice/Mint

Available Sizes:

5 L EcoPACK (03-BLUE-005)

Purpose:

LINES™ provides fast effective cleaning in the presence of biofilms in potable water systems, minimizing the impact on the Environment, People and Equipment.

Suitable for:

Shocking and maintaining all potable waterline systems, including dental unit waterlines and other narrow diameter tubing.

Applied Cleaning Concepts:

Biofilm formation is a significant problem in dental waterlines and other narrow bore waterline tubing. LINES™ formulation is specifically designed to initially shock, clean and maintain potable water systems. Non-corrosive solutions prevent damage to your dental unit's pipes, valves, and other components, leading to lower maintenance and replacement costs. Reduces risk of equipment malfunction due to corrosion, also ensures smooth operation and minimizes disruptions in your practice.

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. 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:

Maintain water or air delivery systems by substituting LINES™ in the tubing once a week or when not in use.

First, air purge waterlines, then run 30 - 60 mL of LINES™ through the tubing until the fluid is visible at the egress. Leave product in the tubing overnight, throughout the weekend or for extended periods. After first time overnight/weekend use of LINES™, thoroughly flush tubing with water as debris may have been dislodged. New users should use Lines nightly for three weeks. Lines will maintain the unit when used weekly. To ensure the best water quality use nightly.

Water heaters should be removed and dead-end tubing (low speed or QD outlets) should be drained before use and capped at the control block.

Precautions:

Regularly clean containers used to collect distilled water with a kinder product such as LINES™.

Closed bottle systems are often contaminated by air pressurizing them.

Monitor compressor air for microbial contamination and change compressor filters and install air dryers as needed.

Do not pass distilled water through charcoal filters; they are excellent substrates for bacterial growth.

Helpful Tips:

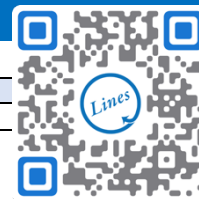
This solution will decrease the bad odours and tastes that occur during procedures.

LINES™ can be left in the dental unit for extended periods (up to 6 months).

LINES™ can also be used to clean hand pieces and other instruments prior to sterilization. Always rinse before with distilled water.

See our website for specific details: www.micrylium.com/products





1. IDENTIFICATION									
Product Name		Lines			Manufacturer		Micrylium Laboratories Inc.		
Registration		CAN DIN	02240323		Address		5000M Dufferin Street, Toronto, Canada, M3H 5T5 www.micrylium.com		
		US FDA	973765						
		EU CE	Class I						
Indication		Medical Device Disinfectant / Cleaner			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		Not Applicable			Signal Word		Not Applicable		
					Symbol		Not Applicable		
Classification		Not Applicable							
Health Hazard		No Serious Health Hazards			Environmental Hazards		Biodegradeable		
Precautionary & Hazard Statements		H302: Harmful if swallowed.			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.				
3. COMPOSITION									
Chemical		CAS #		LD-50 (Oral, mg/kg) - Rat		Concentration (%)			
Ethanol		64-17-5		7,060		9.5			
Chlorhexidine Gluconate		18472-51-0		2,000		0.1			
Xylitol		87-99-0		4,000		0.6%			
4. FIRST AID MEASURES									
Inhalation		If breathing is difficult, remove individual to fresh air.			Ingestion		Drink large quantities of milk or water to dilute.		
Skin Contact		No adverse effects.			Eye Contact		Flush with plenty of water.		
Most Important Symptoms and Effects (Acute and Delayed)									
May cause mild reversible irritation if inhaled.									
Indication of any Immediate Medical Attention and Special Treatment Needed									
Not Applicable.									
5. FIREFIGHTING MEASURES									
Non-Flammable.									
6. ACCIDENTAL RELEASE									
Use all means to prevent spillage.									
7. HANDLING & STORAGE									
Store in a cool, dry, well-ventilated location. Keep away from heat, sparks and flames. 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 ASTM D56	Density g/ml@ 25°C	pH	Kinematic Viscosity@23°C	
Transparent, Liquid	Light Blue	Licorice-Mint	-5°C	105°C	45°C	0.99	6.0	12 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		Ingestion/inhalation can be harmful. (TDLo 300mg/Kg Ethanol)			Carcinogenicity		Ingestion of Ethanol IARC Group 1.		
CAUTION: Xylitol is toxic to dogs, rabbits cows, baboons and horses when consumed.									
12. ECOLOGICAL INFORMATION									
Surfactants are readily biodegradable in soil and water. Persistence unlikely based on available data.									
Ethanol		EC50 (72h) = 275 mg/l (Chlorella vulgaris)		Fathead minnow (Pimephales promelas) LC50 = 14200 Mg/L/96h		Photobacterium Phosphoreum: EC50 = 34634 Mg/L/30 min Photobacterium Phosphoreum: EC50 = 35470 Mg/L/5 min		EC50 = 9268 mg/L/48h EC50 = 10800 mg/L/24h	
13. DISPOSAL CONSIDERATIONS									
Domestic.									
14. TRANSPORT INFORMATION									
Not regulated									
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: 2022/05/16			Revision Date: 2025/09/01			Document: LINES 1.3			