



Strength In Bubbles

FDA D142279

Enzymatic Universal Detergent

Dilutable - Ultra Concentrated

Class One Medical Device

Colour: Blue | Scent: Citrus

Protocol

Available Sizes:

1 L EcoPACK (02-SON2-001)

5 L EcoPACK (02-SON2-005)

Purpose:

BioSON™ provides fast effective cleaning in the presence of bioburden, while minimizing the impact on the Environment, People and Equipment.

Suitable for:

Ultrasonic applications as well as general Detergency and Enzymatic cleaning.

Other applications include Instrument Presoak, Laundry, Carpet and Flooring.

Applied Cleaning Concepts:

At the microscopic level there is evidence that many forms of gross debris cling to instruments. This gross debris makes it impossible to properly disinfect or sterilize instruments. Skin cells composed of protein, cell membrane carbohydrates, glycolipids, glycoproteins, proteoglycans, oils and material fabric debris are commonly found on instruments. BioSON™ 4 enzyme based formula contains lipase designed to degrade lipids or oils, the protease is for removing proteins, the catalase is for cellulose and the amylase is for starches or carbohydrates.

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:

Carefully dispense BioSON™ from the EcoPACK™ spigot directly into a measuring cup. Add 25 mL of BioSON™ to up to 2.0 L of warm water in the Ultrasonic Bath (1.5L to 2L baths). Set timer for 10 minutes.

BioSON™ Dilution ratios:

1:80 into Carpet Steam cleaners to freshen carpets.

1:100 for washing floors and walls.

1:200 for use in laundry machines.

Compatible with HE (High Efficiency) washing machines.

For the following items, soak for 30 minutes prior to washing & rinsing.

1:20 to clean sports gloves & neoprene wet suits.

1:40 to clean dry-fit athletic wear or add lasting freshness to musty towels and sports equipment. Air dry after rinsing.

Precautions:

REPLACE BioSON™ when solution appears dirty with excess debris. EFFECTIVE for up to 5 days.

Do not leave instruments in bath solution overnight.

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:

BioSON™ in place of regular laundry detergent in a warm water regular wash cycle to remove the musty smell from your front load washing machine.

25mL of BioSON™ used in an ultrasonic cleaner is an excellent way to sparkle your jewellery. See our website for specific details: www.micrylium.com/products



Revision Date: Dec 15, 2023 v2.0





1. IDENTIFICATION									
Product Name		BioSON			Manufacturer		Micrylium Laboratories Inc.		
Registration		CAN	Class I		Address		5000M Dufferin Street, Toronto, Canada, M3H 5T5 www.micrylium.com		
		US FDA	D142279						
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		<p>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.</p>			<p>H302: Harmful if swallowed. H317: May cause an allergic skin reaction. H320: Causes eye irritation.</p>				
3. COMPOSITION									
Chemical		CAS #			LD-50 (Oral, mg/kg)		Concentration (%)		
Chlorhexidine Gluconate		18472-51-0			2,000 (Rat)		1.70%		
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	Light Blue	Citrus	-8°C	105°C	N/A	1.05	10.0	80 mm ² /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: SON 1.3			