

# The Original Green

CA DIN 02209756 / US EPA 70467-3 / CH BAG#CHZB0163 / DE BAUA N-24586 / FDA D142277

## Hard Surface Disinfectant – One Step

Contact Time < 1 Minute (less than)

Intermediate Level — Tuberculocidal, Bactericidal, Virucidal & Fungicidal in the presence of Bioburden

Colour: Green | Scent: Lime, Mango, Pepper

## **Available Sizes:**

60 mL Travel Sprayer (case of 10) (01-SURF-060) 710 mL Spray Bottle (case of 4) (01-SURF-704)

### Suitable for:

They may be one minute kill on TB, but 15 minutes on Polio. The chair legs concepts in Microbiology are Mycobacteria, non-enveloped viruses, fungal spores and gram negative Halogens (CI, Br, I), Quaternary Ammoniums and Peroxides are reactive with proteins limiting their ability to perform in many clinical settings.

## **Quality Commitment:**

Quality ingredients include biodegradable surfactants (many of which are plant based), USP grain derived absolute Ethanol 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)

- Spray BioSURF™ lightly as a mist over surfaces to be disinfected. Wait one minute then wipe thoroughly with LeCLOTH™ or disposable paper towel. Micrylium recommends using LeCLOTH™ biodegradable sheet for ethanol disinfectants – 229 x 229 mm (9"x 9").
- 2) Surface Wipe Options Create your own wet wipes (Recommended amount 8-10mL)
- Wipe surface thoroughly until wet. Let sit for one minute.

### **Clinicians Report:** https://www.cliniciansreport.org/uploads/files/1765/BioSURF-course-HO.pdf

Protocol for disinfection in the presence of visible body fluid from known Infectious host.

Rella Christensen's technique: Wet LeCLOTH™ wipe with BioSURF™ solution. Wipe back and forth, then back and forth at 90°.

Let sit for 3 minutes. Repeat procedure for another 3 minutes.

## Caution: Use with care as the product is Flammable

## **Precautions:**

USE FULL STRENGTH — Do Not Dilute. RTU (Ready To Use Formulation)

Avoid longer than 10 minutes contact time with rubber or silicone materials.

## **Helpful Tips:**

With frequent use some residue may accumulate. BioSURF™ contains surfactants and although harmless, this residue should be removed weekly with a water moistened LeCLOTH™ or microfiber towel. See our website for specific details: www.micrylium.com/products









5 L EcoPACK (01-SURF-005)

LeCLOTH<sup>™</sup> Dry Wipes (Case of 300 Sheets 229 x 229mm/ 9"X9") (04-LCWR-300)

BioSURF<sup>TM</sup> provides fast effective disinfection in the presence of bioburden, while minimizing the impact on the Environment, People and Equipment.

Hard surfaces, kennels and other veterinary devices, medical devices, instruments and prothesis including dental impressions.

Effective for cleaning and remediation of moulds and biofilms. Bacteriostatic when diluted in solutions like pumice.

## **Applied Asepsis Concepts:**

Micrylium has a product development strategy based on what we call "Chair Theory". The four legs of a chair give it balance. Most products do not have this balance. bacteria. Our kill times are measured as the longest time to cover all benchmarks. BioSURF™ disinfects effectively in heavy blood/saliva and protein environments.

Our vision of asepsis 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.

### Instructions for Use:

- 1) Surface Spray remove trigger from BioSURF™ spray bottle and dispense BioSURF™ into the bottle from the EcoPACK™ spigot. Replace trigger.
- a.) Carefully dispense BioSURF™ from the EcoPACK™ spigot directly onto a LeCLOTH™ sheet.
- b.) BioSURF<sup>™</sup> solution can be sprayed from the sprayer directly onto the sheet.
- c.) Fold a LeCLOTH™ sheet and place in a small bowl or a measuring cup. Dispense BioSURF™ (8-10mL per wipe) from the EcoPACK™ spigot.



Do not use on surfaces that undergo rapid temperature changes.

AVOID CONCURRENT USE WITH BLEACH - Staining (yellow/brown) can occur. On some surfaces, including uniforms, this can be removed by soaking with Borax (Sodium Borate). CAUTION - NOT FOR USE on acrylic latex painted surfaces or vinyl upholstery.

Pre-cleaning can spread bacterial contamination. BioSURF™ contains surfactants/detergents that clean and penetrate microbial contamination in one step. If your protocol requires two step cleaning & disinfection (or there is visible bioburden), use BioSURF™ for both steps to minimize risk to staff and reduce the risk of vector transmission.

Revision Date: Nov 27, 2023 v2.0



B10 <b>S</b> UKF	303													
1. IDENTIFICATION	าท													
Product Name	BioSURF			Manufactu	ırer		Micryl	ium Laboratories	Inc					
Registration	CAN DIN				Address			A Dufferin Street,						
riogion anon	US EPA							to, Canada,						
	US FDA						МЗН	5T5						
	CH BAG					www.micrylium.com		micrylium.com						
Indication	Hospital hard su	Hospital hard surface disinfectant			Phone			416-667-7040						
	·				Fax			416-667-0071						
Emergency Phone #		1-800-424-	-9300		CANU	JTEC	EC 1-613-996-6666							
2. HAZARD IDEN	TIFICATION													
Symbol Pictogram					ınal Word Warning									
		<b>8</b>			Symbol		Flame							
Hazard Classification	Flammable Liqu													
Health Hazard	Use Care (See	<u>Precautionary</u>	and Hazard	Statements)			Envir	onmental Hazar	<u>at</u>	Biod	egradeat	ole ( OECD 301D)		
Precautionary & Hazard Statements	P210: Keep aw P301: IF SWAL P305: IF IN EYI	t of reach of child ray from heat, hot LLOWED: Drink la ES: Flush eyes v	t surfaces, spark arge quantities o	of water or milk.	and other	ignition sour	ces.	H302: ⊦ H317: N	lammable liqu larmful if swall fay cause an a fay cause drov	lowed. allergic sk	kin reaction			
3. COMPOSITION	l .													
Chemical			CAS#							Concentration (%)				
Ethanol			64-17-5			7,060								
Chlorhexidine Gluconate			18472-51-0		2,0	000			0.2%					
4. FIRST AID ME	ASURES													
Inhalation If b	reathing is difficult, remo	ve individual f	o fresh air.		Ing	gestion		Drink large qua	ntities of m	ilk or wa	ater. Do	not induce vomiting.		
Most Important Symptom														
May cause acute mild drow														
Indication of any Immedia	te Medical Attention ar	nd Special Tro	eatment Nee	ded										
Not Applicable.														
5. FIREFIGHTING														
Use dry chemical, foam, or		disperse vapo	ours if needed	d. Firefighter	s: As wit	th any fire,	wear	self-contained br	eathing app	aratus.				
6. ACCIDENTAL														
Use all means to prevent sp		measures are	necessary, r	provided vapo	ours are	not permit	ted to	build up.						
7. HANDLING &														
Store in a cool, dry, well-ve				flames. DO N	IOT mix	with bleac	h or pe	eroxides. Storage	and Trans	port: 0°	<u>- 30°C</u>			
	ONTROLS/ PERSONA				<u> </u>									
Respiratory protective equip	oment may be required if	vapours are r			o other s	specific me	easure	s required.						
Component	ACGIH TLV	ACGIH TLV OSHA F				PEL NIOSH					CCHOS			
Ethanol	STEL: 1000 pp	STEL: 1000 ppm (Vacat			ated) TWA: 1000 ppm			IDLH: 3300 ppm TWA: 1000 ppm				opm		
		(Vacated) TWA:			1900 mg	00 mg/m <sup>3</sup> TWA: 10		: 1000 ppm	TWA: 1900 mg/m <sup>3</sup>		ng/m³			
							TWA	: 1900 mg/m <sup>3</sup>						
	D CHEMICAL PROPE													
Physical State Co	ır	Solidification point			Boiling point		Flash Point	Densit		рН	Kinematic			
					0	ECD 103		ASTM D56	g/ml@ 2			Viscosity@ 23°C		
	reen Lime, Pepper	r, Mango	-25	5°C		79°C		23°C	.862		9.5	2.43 mm <sup>2</sup> /s		
10. STABILITY AN														
Stable under normal conditi	ons. Incompatibility: S	trong oxidants	, acid chlorid	les, silver salt	s <b>Dec</b> c	mpositio	n: Pro	ducts: CO <sub>2</sub> , CO						
11. TOXICOLOGIC	יאו האדא													
	LD <sub>50</sub> >5000 mg/kg					A	01		LD	- 5000				
Acute Dermal Toxicity		Acute Oral					LD <sub>50</sub> >5000 mg/kg							
Not found to be dermal sensitizer  Ocular Irritation 0.0 severity after 7 days				Acut			Inhala	tion Toxicity	I.C.	LC <sub>50</sub> : 2.3 mg/L Rat				
Reproductive Hazards Ingestion/inhalation can be harmful.			TDLo 300mg/Kg Ethanol)			Acute Inhalation Toxicity  Carcinogenicity				Ingestion of Ethanol IARC Group1.				
Reproductive Hazards	sts Performed by Product Safet						I ilige.	Stion of	Luianon	Arte Gloup I.				
42 FCOLOGICAL	INFORMATION	100	to i orionniou	by 1 Todaot C	baloty Le	ibo, Dayto	11, 110	30,1						
	INFORMATION	ton Donaiston			.  -   -   -   -									
Surfactants are readily biod				Fathead				Dhatabaatari			FOE0 -	- 0000 mar/l /40h		
Ethanol	,	3					Dh	Photobacteri osphoreum:EC5		o o				
	(Chiore				s promel		FI	Mg/L/30 m		34634 EC50 = 10800 mg/L/24n				
					LC50 = 14200 Mg/L/96h			Photobacteri		5470				
								osphoreum:EC5						
								Mg/L/5 mi						
13. DISPOSAL CO	NSIDERATIONS													
Domestic. Dilute 4:1 with w	ater. This product is flam	mable.												
14. TRANSPORT I														
Emergency Response Guid	e #127													
	Land Sea								Air (IA	TA)				
	Hazard Class 3	Class 3 Hazard Clas			ass 3				Hazard	Hazard Class 3				
	UN 1170 Packaging G	N 1170 Packaging Group III			UN 1170 Packaging Group				UN 11	UN 1170 Packaging Group III				
<b>(4)</b>		Limited Quantity 5L			Limited Quantity <b>5L</b>									
	Limited Quantity							$\langle \rangle$			Limited Quantity 1L			
<b>V</b>		$\overline{}$	,				~	•				$\checkmark$		
15. REGULATORY	'INFORMATION													
TSCA – No reporting requir						CERCL	A – No	hazardous pollu	tants or ozc	ne den	letion.			
<u> </u>										13				
	MATION													
16. OTHER INFOR							,							
16. OTHER INFOR	The informati							tion believed to b		. al				
				Micrylium La	aboratori		ake no		sed or implie		nent: SUF			

Effective Date: 2022/05/22 Revision Date: 2025/08/05 Document: SURF 1.7