

SAFETY DATA SHEETS

This SDS packet was issued with item:

073248945

The safety data sheets (SDS) in this packet apply to one or more components included in the items listed below. Items listed below may require one or more SDS. Please refer to invoice for specific item number(s).

071159342 071162247 074875282 074875316 074875605 074875621

1 Identification		BioSURF		Indication Liquid Spray/Wipe 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	
		No serious Health Hazards		Flammable	
				Biodegradable, No Endocrine Disruptors	
Hazardous Component		CAS#		UN#	
Perfumery Product with Flammable Solvents		na - Blend		1266	
				R Phrases	
				R 11	
				Concentration	
				70.5%	
				TLV	
				>1000 ppm	
3 Composition Chemical Characterization Ethanol, Chlorhexidine Gluconate, Water with Non-Ionic Surfactants, anti-corrosives, Essential Oils					
4 First Aid Measures					
General Rinse with water		Inhalation		Ingestion	
		Mild reversible irritation. May cause dizziness		Drink quantities of milk or water to dilute	
Skin contact No adverse effects. Slightly drying		Eye contact			
		Mild reversible irritation. Flush with plenty of water			
5 Fire Fighting Measures					
Use dry chemical, Foam or CO ₂ . Use water spray to disperse vapours and cool items					
6 Accidental Release Measures					
No specific measures are necessary provided vapours are not permitted to build up					
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.					
8 Exposure Controls-Personal Protection					
No specific measures required. Personal Protective Equipment not required.					
9 Physical & Chemical Properties					
Form		Colour		Scent	
Liquid		Green		Lime	
				Solidification point	
				-20°C	
				Boiling point	
				87°C	
				Flash Point	
				17°C	
				Density	
				.866	
				pH	
				9.9	
				Kinematic Viscosity mm²/s	
				16	
10 Stability & Reactivity					
Stable under normal conditions.					
Incompatibility Strong oxidants, acid chlorides, silver salts			Decomposition products CO ₂ CO		
11 Toxicological Data					
BioSURF: Acute Dermal LD ₅₀ >5000 mg/kg; Acute Inhalation rat LC ₅₀ : 2.3 mg/L; Not found to be a dermal sensitizer: Acute Oral LD ₅₀ >5000 mg/kg; Occular Irritation 0.0 after 7 Days. Tests performed by Product Safety Labs, Dayton, NJ Grain derived Ethanol USP - All Ingredients Food or Pharma Grade - Free of Nonyl Phenyl Ethoxylates.					
Reproductive Hazards Ingestion of large amounts can be dangerous			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 Volatile	
				Disposal Domestic	
13 Disposal considerations Domestic, No restrictions. Water Dilution 4:1 for flammability considerations					
14 Transport Information		Land		Sea	
		Hazard Class 3 UN1266 Packing Group II Limited Qty 5 L max Emergency Response Guide # 127		Hazard Class 3.2 UN1266 Packing Group II Limited Qty 5 L max Emergency Response Guide # 127	
				IATA	
				Hazard Class 3 UN1266 Packing Group II Limited Qty 500 mL Emergency Response Guide # 127	
15 Regulatory					
TSCA -No reporting required all ingredients listed in inventory. R11: Highly flammable. S9: Keep container in well-ventilated place. S16: Keep away from sources of ignition - No smoking. 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.					



SDS Emergency
www.micrylium.com

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

Effective Date October 01, 2016
Document/Revision SDS SURF1.5

1 Identification BioSURF Indication Liquid Spray/Wipe Disinfectant - One Step Tuberculocide

Manufacturer Micrylium Laboratories Inc. 5000M Dufferin Street, Toronto, Canada M3H 5T5 416-667-7040

2 Hazard Identification **Health Hazard Identification** No serious Health Hazards **Physical Hazard Identification** Flammable **Environmental Hazard Identification** Biodegradable, No Endocrine Disruptors

Hazardous Component	CAS#	UN#	R Phrases	Concentration	TLV
Perfumery Product with Flammable Solvents	na - Blend	1266	R 11	70.5%	>1000 ppm

3 Composition Chemical Characterization Ethanol, Chlorhexidine Gluconate, Water with Non-Ionic Surfactants, Anti-Corrosives, Essential Oils

4 First Aid Measures

General Rinse with water	Inhalation Mild reversible irritation. May cause dizziness	Ingestion Drink quantities of milk or water to dilute
Skin contact No adverse effects. Slightly drying	Eye contact Warning: Mild reversible irritation. Flush with plenty of water	

5 Fire Fighting Measures

Use dry chemical, Foam or CO₂. Use water spray to disperse vapours and cool items

6 Accidental Release Measures

No specific measures are necessary provided vapours are not permitted to build up

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

Form	Colour	Scent	Solidification point	Boiling point	Flash Point	Density	pH	Kinematic Viscosity mm ² /s
Liquid	Green	Lime	-20°C	87°C	17°C	.866	9.9	16

10 Stability & Reactivity

Stable under normal conditions.

Incompatibility Strong oxidants, acid chlorides, silver salts **Decomposition products** CO₂ CO

11 Toxicological Data

BioSURF: 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; Occular Irritation 0.0 after 7 Days. Tests performed by Product Safety Labs, Dayton, NJ
Grain derived Ethanol USP - All Ingredients Food or Pharma Grade - Free of Nonyl Phenyl Ethoxylates.

Reproductive Hazards Ingestion of large amounts can be dangerous **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** Volatile **Disposal** Domestic

13 Disposal considerations Domestic, No restrictions. Water Dilution 4:1 for flammability considerations

14 Transport Information



Land	Sea	IATA
Hazard Class 3 UN1266 Packing Group II Limited Qty 5 L max Emergency Response Guide # 127	Hazard Class 3.2 UN1266 Packing Group II Limited Qty 5 L max Emergency Response Guide # 127	Hazard Class 3 UN1266 Packing Group II Limited Qty 500 mL Emergency Response Guide # 127

15 Regulatory

TSCA -No reporting required all ingredients listed in inventory. R11: Highly flammable. S9: Keep container in well-ventilated place. S16: Keep away from sources of ignition - No smoking. 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.