


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		Environmental Hazard Identification											
		No serious Health Hazards		Flammable		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 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		Solidification point		Boiling point		Flash Point		Density		pH		Kinematic Viscosity	
Liquid		Green		Lime		-20°C		87°C		17°C		.866		9.9		16 mm ² /s	
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				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.																	

1. IDENTIFICATION								
Product Name		BioSURF			Manufacturer		Micyrium Laboratories Inc.	
Registration	CAN DIN	02209756			Address	5000M Dufferin Street, Toronto, Canada, M3H 5T5 www.micyrium.com		
	US EPA	70467-3						
	CH BAG	CHZB0163						
	DE BAUA	N-24686						
Indication		Liquid disinfectant. Can also be used as a non-critical device immersion cleaner prior to sterilization.			Phone		416-667-7040	
					Fax		416-667-0071	
Emergency Phone #		CHEMTREC			1-800-424-9300		CANUTEC 1-613-996-6666	
2. HAZARD IDENTIFICATION								
Symbol Pictogram					Signal Word		Warning	
					Symbol		Flame	
Hazard Classification		Flammable Liquid Category 3						
Health Hazard		No Serious Health Hazards				Environmental Hazards		Biodegradeable
Precautionary Statements		P102: Keep out of reach of children. P210: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. P301: IF SWALLOWED: Drink large quantities of water or milk. P305: IF IN EYES: Flush eyes with large quantities of water. H226: Flammable liquid and vapour. H302: Harmful if swallowed.						
3. COMPOSITION								
Chemical		CAS #		LD-50 (Oral, mg/kg)		Concentration (%)		
Ethyl Alcohol		64-17-5		7,060 (Rat)		70.5		
Chlorhexidine Gluconate		18472-51-0		2,000 (Rat)		0.2		
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		No adverse effects. Slightly drying.			Eye Contact		Flush with plenty of water.	
Most Important Symptoms and Effects (Acute and Delayed)								
May cause acute mild drowsiness, respiratory and/or eye irritation.								
Indication of any Immediate Medical Attention and Special Treatment Needed								
Not Applicable.								
5. FIREFIGHTING MEASURES								
Use dry chemical, foam, or CO ₂ . Use water spray to disperse vapours if needed. Firefighters: As with any fire, wear self-contained breathing apparatus.								
6. ACCIDENTAL RELEASE								
Use all means to prevent spillage. No other 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 flames. DO NOT mix with bleach or peroxides. Storage and Transport: 5° - 30°C								
8. EXPOSURE CONTROLS/ PERSONAL PROTECTION								
Respiratory protective equipment may be required if vapours are not permitted to escape. No other specific measures required.								
9. PHYSICAL AND CHEMICAL PROPERTIES								
Physical State	Colour	Odour	Solidification point	Boiling point	Flash Point	Density	pH	Kinematic Viscosity
Transparent, Liquid	Green	Lime, Pepper, Mango	-20°C	87°C	19°C	0.866	9.9	16 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		LD ₅₀ >5000 mg/kg Not found to be dermal sensitizer			Acute Oral		LD ₅₀ >5000 mg/kg	
Ocular Irritation		0.0 severity after 7 days			Acute Inhalation Toxicity		LC ₅₀ : 2.3 mg/L Rat	
Reproductive Hazards		Ingestion and Inhalation of large amount may be dangerous when pregnant			Carcinogenicity		Ingestion of ethyl alcohol IARC Group 1.	
Tests Performed by Product Safety Labs, Dayton, NJ USA								
12. ECOLOGICAL INFORMATION								
Surfactants are readily biodegradable in soil and water.								
13. DISPOSAL CONSIDERATIONS								
Domestic. Dilute 4:1 with water if there are flammability concerns.								
14. TRANSPORT INFORMATION								
Emergency Response Guide #127								
	Land			Sea			Air (IATA)	
	Hazard Class 3			Hazard Class 3.2			Hazard Class 3	
	UN 1170 Packaging Group II Limited Quantity 1L			UN 1170 Packaging Group II Limited Quantity 1L			UN 1170 Packaging Group II Special packaging	
15. REGULATORY INFORMATION								
TSCA – No reporting required.					CERCLA – No hazardous pollutants or ozone depletion.			
16. OTHER INFORMATION								
The information and recommendation 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.								
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