



1. IDENTIFICATION								
Product Name		BioSURF			Manufacturer		Micrylium Laboratories Inc.	
Registration	CAN DIN	02209756			Address	5000M Dufferin Street, Toronto, Canada, M3H 5T5 www.micrylium.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			UN 1170 Packaging Group II		UN 1170 Packaging Group II		
Limited Quantity 1L			Limited Quantity 1L		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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