






1. IDENTIFICATION											
Product Name		BioMERS		Manufacturer		Micrylium Laboratories Inc.					
Registration		CAN DIN		Address		5000M Dufferin Street, Toronto, Canada, M3H 5T5 www.micrylium.com					
		US FDA									
Indication		Liquid Disinfectant		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		Warning					
				Symbol		Flame					
Hazard Classification		Flammable Liquid Category 3									
Health Hazard		Use Care (See Precautionary and Hazard Statements)				Environmental Hazards		Biodegradable (OECD 301D)			
Precautionary & Hazard Statements		<p>P102: Keep out of reach of children.</p> <p>P210: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources.</p> <p>P301: IF SWALLOWED: Drink large quantities of water or milk.</p> <p>P305: IF IN EYES: Flush eyes with large quantities of water.</p>				<p>H226: Flammable liquid and vapour.</p> <p>H302: Harmful if swallowed.</p> <p>H317: May cause an allergic skin reaction.</p> <p>H336: May cause drowsiness or dizziness.</p>					
3. COMPOSITION											
Chemical		CAS #		LD-50 (Oral, mg/kg) - Rat		Concentration (%)					
Ethanol		64-17-5		7,060		70.0%					
Chlorhexidine Gluconate		18472-51-0		2,000		0.2%					
4. FIRST AID MEASURES											
Inhalation		If breathing is difficult, remove individual to fresh air.				Ingestion		Drink large quantities of milk or water. Do not induce vomiting.			
Skin Contact		May cause dryness or irritation with prolonged contact.				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: 0°- 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 OECD 103	Flash Point ASTM D56	Density g/ml@ 25°C	pH	Kinematic Viscosity@ 23°C	
Transparent, Liquid		Orange	Orange, Peppermint, Eucalyptus		-25°C	81°C	23°C	.864	9.5	2.24 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/inhalation can be harmful. (TDLo 300mg/Kg Ethanol)				Carcinogenicity		Ingestion of ethyl alcohol IARC Group1.			
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. This product is flammable.											
14. TRANSPORT INFORMATION											
Emergency Response Guide #127											
		Land			Sea			Air (IATA)			
		Hazard Class 3			Hazard Class 3			Hazard Class 3			
		UN 1170 Packaging Group III			UN 1170 Packaging Group III			UN 1170 Packaging Group III			
		Limited Quantity 5L				Limited Quantity 5L				Limited Quantity 1L	
											
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: 2022/05/23			Revision Date: 2022/08/05			Document: MERS 1.7					