






1. IDENTIFICATION									
<b>Product Name</b>		BioMERS		<b>Manufacturer</b>		Micrylium Laboratories Inc.			
<b>Registration</b>		<b>CAN DIN</b>	02209756	<b>Address</b>		5000M Dufferin Street, Toronto, Canada, M3H 5T5 www.micrylium.com			
		<b>US FDA</b>	D142278						
<b>Indication</b>		Liquid Disinfectant / Deodorant			<b>Phone</b>		416-667-7040		
<b>Emergency Phone #</b>		<b>CHEMTREC</b>		<b>1-800-424-9300</b>		<b>CANUTEC</b>		1-613-996-6666	
2. HAZARD IDENTIFICATION									
<b>Symbol Pictogram</b>					<b>Signal Word</b>		Warning		
<b>Hazard Classification</b>		Flammable Liquid Category 3							
<b>Health Hazard</b>		Use Care (See Precautionary and Hazard Statements)				<b>Environmental Hazards</b>		Biodegradable ( OECD 301D)	
<b>Precautionary &amp; Hazard Statements</b>		<p><b>P102:</b> Keep out of reach of children.</p> <p><b>P210:</b> Keep away from heat, hot surfaces, sparks, open flames and other ignition sources.</p> <p><b>P301:</b> IF SWALLOWED: Drink large quantities of water or milk.</p> <p><b>P305:</b> IF IN EYES: Flush eyes with large quantities of water.</p>				<p><b>H226:</b> Flammable liquid and vapour.</p> <p><b>H302:</b> Harmful if swallowed.</p> <p><b>H317:</b> May cause an allergic skin reaction.</p> <p><b>H336:</b> May cause drowsiness or dizziness.</p>			
3. COMPOSITION									
<b>Chemical</b>		<b>CAS #</b>		<b>LD-50 (Oral, mg/kg) - Rat</b>		<b>Concentration (%)</b>			
Ethanol		64-17-5		7,060		70.0%			
Chlorhexidine Gluconate		18472-51-0		2,000		0.2%			
4. FIRST AID MEASURES									
<b>Inhalation</b>		If breathing is difficult, remove individual to fresh air.			<b>Ingestion</b>		Drink large quantities of milk or water. Do not induce vomiting.		
<b>Skin Contact</b>		May cause dryness or irritation with prolonged contact.			<b>Eye Contact</b>		Flush with plenty of water.		
<b>Most Important Symptoms and Effects (Acute and Delayed)</b>									
May cause acute mild drowsiness, respiratory and/or eye irritation.									
<b>Indication of any Immediate Medical Attention and Special Treatment Needed</b>									
Not Applicable.									
5. FIREFIGHTING MEASURES									
Use dry chemical, foam, or CO <sub>2</sub> . Use water spray to disperse vapours if needed. <b>Firefighters:</b> 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									
<b>Physical State</b>	<b>Colour</b>	<b>Odour</b>		<b>Solidification point</b>	<b>Boiling point OECD 103</b>	<b>Flash Point ASTM D56</b>	<b>Density g/ml@ 25°C</b>	<b>pH</b>	<b>Kinematic Viscosity@ 23°C</b>
Transparent, Liquid	Orange	Orange, Peppermint, Eucalyptus		-25°C	81°C	23°C	.864	9.5	2.24 mm <sup>2</sup> /s
10. STABILITY AND REACTIVITY									
Stable under normal conditions. <b>Incompatibility:</b> Strong oxidants, acid chlorides, silver salts <b>Decomposition:</b> Products: CO <sub>2</sub> , CO									
11. TOXICOLOGICAL DATA									
<b>Acute Dermal Toxicity</b>		LD <sub>50</sub> >5000 mg/kg Not found to be dermal sensitizer			<b>Acute Oral</b>		LD <sub>50</sub> >5000 mg/kg		
<b>Ocular Irritation</b>		0.0 severity after 7 days			<b>Acute Inhalation Toxicity</b>		LC <sub>50</sub> : 2.3 mg/L Rat		
<b>Reproductive Hazards</b>		Ingestion/inhalation can be harmful. (TDLo 300mg/Kg Ethanol)			<b>Carcinogenicity</b>		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									
	<b>Land</b>			<b>Sea</b>			<b>Air (IATA)</b>		
	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: 2025/05/23			Document: MERS 1.7		