



SDS Emergency
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Effective Date October 01, 2016
Document/Revision SDS MERS 1.4

1 Identification **BioMERS** Indication Aseptic Transport Solution - Liquid Immersion Disinfectant

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, Alcohol 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	Orange	Orange	-20°C	87°C	17°C	.866	9.9	18

10 Stability & Reactivity

Stable under normal conditions.

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

11 Toxicological Data

BioSURF/MERS: 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 Satety 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 lead to liver damage **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 condiderations 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 5L max Emergency Response Guide # 127	Hazard Class 3.2 UN1266 Packing Group II Limited Qty 5L 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 are 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.