



**SDS** Emergency  
www.micrylium.com

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Effective Date October 01, 2016  
Document/Revision SDS SURF1.5

**1 Identification** BioSURF Indication Liquid Spray/Wipe Disinfectant - One Step Tuberculocide

**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**

<b>General</b> Rinse with water	<b>Inhalation</b> Mild reversible irritation. May cause dizziness	<b>Ingestion</b> Drink quantities of milk or water to dilute
<b>Skin contact</b> No adverse effects. Slightly drying	<b>Eye contact</b> Warning: Mild reversible irritation. Flush with plenty of water	

**5 Fire Fighting Measures**

Use dry chemical, Foam or CO<sub>2</sub>. 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 <sup>2</sup> /s
Liquid	Green	Lime	-20°C	87°C	17°C	.866	9.9	16

**10 Stability & Reactivity**

Stable under normal conditions.

**Incompatibility** Strong oxidants, acid chlorides, silver salts **Decomposition products** CO<sub>2</sub> CO

**11 Toxicological Data**

BioSURF: Acute Dermal LD<sub>50</sub> >5000 mg/kg; Acute Inhalation rat LC<sub>50</sub>: 2.3 mg/L; Not found to be a dermal sensitizer: Acute Oral LD<sub>50</sub> >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 <b>Limited Qty 5 L max</b> Emergency Response Guide # 127	Hazard Class 3.2 <b>UN1266 Packing Group II Limited Qty 5 L max</b> Emergency Response Guide # 127	Hazard Class 3 <b>UN1266 Packing Group II Limited Qty 500 mL</b> 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.