

**SAFETY DATA SHEET**  
 (Prepared According to 29 CFR 1910.1200)

### SECTION 1 – IDENTIFICATION

<b>Trade Name:</b> LIV Process	<b>Product Use:</b> Identify <i>Clostridioides difficile</i> spores on inanimate surfaces	
<b>Supplier:</b> LIV Process, Inc.	<b>Phone #:</b> 877-707-0125	<b>Emergency Phone #:</b> 800-255-3924
<b>Address:</b> 40 East Montgomery Avenue, #416 Ardmore, PA 19003	<b>Code:</b> To be assigned	

### SECTION 2 – HAZARDS IDENTIFICATION

<b>Classification:</b> EXTENDED EXPOSURE CAN CAUSE SLIGHT SKIN AND EYE IRRITATION		<b>Signal Word:</b> Caution	<b>Symbol(s):</b>	
<b>GHS Hazard Statement:</b>	<b>Physical Hazards:</b> Not Classified			
	<b>Health Hazards:</b> Not Classified			
<b>Precautionary Statements:</b> THIS PRODUCT IS CONSIDERED NON-HAZARDOUS. Per OSHA 29CFR1910.1200, Commonwealth of Australia (NOHSC: 1005, 1008(1999)], and the latest amendments to the European Union Directives (EC) No 1907/2006 and (EC) No 2015/830, this product does not require a Material Safety Data Sheet (MSDS) or Safety Data Sheet (SDS). This product does not contain more than 1% of a component classified as hazardous and does not contain more than 0.1% of a component classified as carcinogenic. Despite the classification of certain products/components as non-hazardous, we strongly recommend using prudent laboratory practices: avoiding unnecessary contact and uses of personal protective equipment, which may include gloves, eye protection				

### SECTION 3 – COMPOSITION/INFORMATION ON INGREDIENTS

INGREDIENTS	CAS NO.	% BY WEIGHT	PEL (TLV)
Water, Deionized	7732-18-5	98	Not est.
Graphene Oxide	N/A	1	Not est.
*Proprietary Blend	Proprietary	Less than 1	Not est.

\* The specific chemical identity and exact percentage of this ingredient have been withheld as a trade secret.

### SECTION 4 – HEALTH INFORMATION – FIRST AID MEASURES

<b>Symptoms &amp; Acute Effects:</b> None known
<b>Delayed Effects:</b> None known
<b>Typical Routes of Exposure:</b> are the skin and eyes.
<b>TREATMENT</b>
<b>Eyes:</b> If an eye irritation occurs rinse with water and contact your physician.
<b>Skin:</b> If a skin irritation occurs rinse with water and contact your physician.
<b>Ingestion:</b> Drink large quantities of milk or water. Call a physician.
<b>Inhalation:</b> Not applicable

## SECTION 5 – FIRE-FIGHTING MEASURES

<b>Flash Point:</b> None to boiling	<b>Lower Explosive Limit:</b> Not available	<b>Upper Explosive Limit:</b> Not available
<b>Extinguishing Techniques:</b> Extinguish with alcohol-resistant foam, carbon dioxide, dry powder, or water fog. Use fire-extinguishing media suitable for the surrounding fire.		
<b>Equipment:</b> Do not enter any confined fire-spaces without protective clothing and self-contained air supply.		
<b>Chemical Hazards from Fire:</b> Carbon monoxide and unidentified organic gases may occur during incomplete combustion.		
<b>Precautions for Fire Fighters:</b> Cool fire exposed containers.		

## SECTION 6 – ACCIDENTAL RELEASE MEASURES

<b>Steps to be Taken:</b> SMALL AMOUNTS – Absorb with suitable absorbent. LARGE AMOUNTS – Absorb with suitable absorbent, then shovel into appropriately labeled containers.
<b>Cleanup Procedures:</b> Contain with absorbent material and dispose of in accordance with federal, state, and local requirements.

## SECTION 7 – HANDLING AND STORAGE

<b>Precautions to be Taken in Handling &amp; Storage:</b> Store in a cool, dark, well-ventilated place.
<b>Incompatibility:</b> Strong oxidizers

## SECTION 8 – EXPOSURE CONTROLS/PERSONAL PROTECTION

INGREDIENTS:		EXPOSURE LIMITS	
<b>See Above</b>			
Eye Protection: <input checked="" type="checkbox"/>	Protective Gloves: <input checked="" type="checkbox"/>	Respiratory Protection: <input type="checkbox"/>	
Ventilation Requirements	Local Exhaust: <input type="checkbox"/>	Mechanical: <input type="checkbox"/>	Room Ventilation is Adequate: <input checked="" type="checkbox"/>

## SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance &amp; Odor:</b> Brown liquid, odorless		<b>Flammable Limits – Upper:</b> Not available <b>Lower:</b> Not available	
<b>Boiling Point (°F):</b> Appx. 100°C		<b>Specific Gravity (H<sub>2</sub>O) (±0.005):</b> 1.0	
<b>Vapor Pressure (mm Hg):</b> Not available		<b>Vapor Density (Air=1):</b> Not Available	
<b>Solubility in Water:</b> <input checked="" type="checkbox"/> Complete <input type="checkbox"/> Insoluble <input type="checkbox"/> Emulsifiable (or Dispersible) <input type="checkbox"/> Slightly (or Partial)			
<b>Evaporation Rate (vs H<sub>2</sub>O):</b>	<input type="checkbox"/> Faster	<input type="checkbox"/> Slower	<input checked="" type="checkbox"/> About the Same
<b>Flash Point (T.C.C.):</b> None to boiling °F	<b>Odor Threshold:</b> Not available	<b>Melting point/frozen point:</b> Not available	<b>Partition Coefficient: n-octanol/water:</b> Not available
<b>Auto-Ignition Temperature:</b> Not available	<b>Decomposition Temperature:</b> Not available	<b>Viscosity:</b> Not available	

## SECTION 10 – STABILITY AND REACTIVITY

**Stability:** The product is chemically stable under standard ambient conditions (room temperature)

**Incompatibility:** Strong oxidizing agents

**Hazardous Decomposition Products:** Does not decompose when used and stored as prescribed

## SECTION 11 – TOXICOLOGICAL INFORMATION

**Acute Oral Toxicity:** LD50 – rat >5,000 mg/kg

**Skin Sensitization:** Not a sensitizer

**Acute Dermal Toxicity:** LD50 – rat >2,000 mg/kg

**Skin Irritation:** Prolonged exposure can cause slight skin irritation

**Acute Inhalation Toxicity:** Single exposure LC50 – rat > 5.30 mg/L

**Eye Irritation:** Prolonged exposure can cause slight skin irritation

**Reproductive Toxicity:** None

**Mutagenicity:** Not a mutagen

**Carcinogen/Suspect Carcinogen Ingredients:**

NTP     OSHA     ARC     None

## SECTION 12 – ECOLOGICAL INFORMATION

**Ecotoxicity:** Based on available data the classification criteria are not met. Not regarded as dangerous for the environment

## SECTION 13 – DISPOSAL CONSIDERATIONS

**Waste Disposal Methods:** This material and its container should be disposed of in a safe way. Dispose of in accordance with Federal, State, and local regulations

## SECTION 14 – TRANSPORT INFORMATION

Not regulated by USDOT.

## SECTION 15 – REGULATORY INFORMATION

Not subject to regulatory approval.

Section 5(h)(3) of TSCA exempts manufacturers and processors of chemical substances subject to the TSCA from the notice requirements of section 5(a) if they manufacture or process the substances "only in small quantities solely for the purposes of scientific experimentation or analysis, or chemical research on, or analysis of such substance, or another substance, including such research or analysis for the development of a product." Source: [EPA](#)

## SECTION 16 – OTHER INFORMATION

**Date Prepared:** 2/18/2021

### HMIS HAZARD RATINGS:

<b>HEALTH</b>	0
<b>FLAMMABILITY</b>	0
<b>REACTIVITY</b>	0
<b>PERSONAL PROTECTION EQUIPMENT</b>	B