

## SECTION I - IDENTIFICATION

**M.A.R.S. Bio-Med Processes Inc.** 1801 Wentworth St. W., Unit 1 Whitby, Ontario L1N 8M2  
**Emergency #:** 1-866-594-3648 **URL:** [www.marsbiomed.com](http://www.marsbiomed.com) **Email:** info@marsbiomed.com  
**Effective Date** January, 2018  
**Product Name** CleanLINZ Evacuation Line Cleaner  
**Chemical Family** Not applicable  
**Chemical Name & Symptoms** Bacterial/Enzyme Mixture  
**D.O.T. Label(s)/ D.O.T. Proper Shipping Name** N/A / Chemical not otherwise indexed (NOI), non-hazardous  
**Recommended Use** Evacuation Line Cleaning in a Dental Practice

## SECTION II - HAZARDOUS IDENTIFICATION

**Eyes/ Skin** May cause irritation, redness and pain/ Possible irritation on prolonged contact or sensitive areas  
**Inhalation/ Ingestion** None known /Large oral dosages may produce gastrointestinal disturbances  
**Physical & chemical hazards** The liquid is EPA GRAS listed and generally regarded as safe

## SECTION III – PHYSICAL AND CHEMICAL PROPERTIES

Chemical Name	CAS No.	% Composition	OSHA –PEL	ACGIH-TLV-TWA
Citric Acid	77-92-9	<2%	Not Listed	Not Listed
Sodium Benzoate	532-32-1	<2%	Not Listed	Not Listed
Sodium Propionate	137-40-6	<2%	Not Listed	Not Listed
Guar Gum	9000-30-0	<2%	15mg/m <sup>3</sup>	Not Listed
Xanthan Gum	11138-66-2	<2%	15mg/m <sup>3</sup>	Not Listed
Fragrance, Colour & Defoamer	Trade Secret	Trade Secret	Not Listed	Not Listed
Microbial Cultures & Enzymes	Trade Secret	Trade Secret	Not Listed	Not Listed
Waster	7732-18-5	Balance	Not Listed	Not Listed

## SECTION IV – FIRST-AID MEASURES

**Eye Contact** – Rinse thoroughly with plenty of water for 15 minutes. If irritation persists, consult a physician  
**Skin Contact** – Wash off with plenty of soapy water. If irritation persists, consult a physician  
**Inhalation** – If respiratory irritation or distress occurs, remove victim to fresh air. Seek medical attention if irritation continues.  
**Ingestion** – Clean mouth with water & afterwards drink plenty of water. If symptoms persist, call a physician.  
**Notes to Physician** – Treat symptomatically.

## SECTION V – FIRE-FIGHTING MEASURES

**Flammable Properties** N/A  
**Suitable Extinguishing Methods** Use water-spray, fog, carbon-dioxide, or dry chemical  
**Protective Equipment and Precautions for Firefighters** As in any fire, wear self-contained breathing apparatus with pressure - demand and full protective gear.

## SECTION VI – ACCIDENTAL RELEASE MEASURES

**Steps to be taken for small spills** - Absorb spill and dispose with standard waste  
**Steps to be taken for large spills** - Flush spill down standard drain with *at least* an equal amount of water.  
**Waste disposal method** - According to local regulations

## SECTION VII – HANDLING AND STORAGE

**Handling and Storage** Store in cool, dry area in closed container.  
**Other Precautions** Do not get into eyes. Use adequate ventilation. Wash hands with soap and water after handling.

## SECTION VIII – EXPOSURE CONTROLS/ PERSONAL PROTECTION

**Exposure Guidelines** N/A  
**Occupational Exposure Controls** N/A  
**Engineering Measures** Use adequate ventilation  
**Hygiene Measures** Handle in accordance with good industrial hygiene and safety practice  
**Personal Protective Equipment (PPE)**  
**Respiratory / Gloves/ Eye Protection** None required/ Gloves as needed/Safety Glasses as needed

**SECTION IX – PHYSICAL AND CHEMICAL PROPERTIES**

<b>Appearance &amp; Odor</b>	Light brown, dairy-smelling	<b>pH</b>	6.6 - 7.4 Concentrated
<b>Physical State</b>	Liquid Concentrate	<b>Boiling Point/Range</b>	Unknown
<b>Melting/Freezing Point</b>	Unknown	<b>Evaporation Rate</b>	Unknown
<b>Flammability</b>	Unknown	<b>Explosion Limits</b>	Unknown
<b>Vapor Pressure</b>	Unknown	<b>Density</b>	Unknown
<b>Auto-ignition Temperature</b>	Unknown	<b>Water Solubility</b>	Very Soluble
<b>Decomposition Temperature</b>	Unknown	<b>Flash Point</b>	Unknown

**SECTION X – STABILITY AND REACTIVITY**

<b>Reactivity / Chemical Stability</b>	Avoid contact with strong oxidizers / Stable
<b>Hazardous Polymerization</b>	Will not occur
<b>Hazardous Decomposition</b>	Combustion results in carbon monoxide and carbon dioxide
<b>Conditions to Avoid</b>	Avoid heat, flames and sparks

**SECTION XI – TOXICOLOGY INFORMATION**

**Irritation**

<b>Eye</b>	Contact can lead to mechanical irritation	<b>Ingestion</b>	May cause temporary gastrointestinal discomfort
<b>Skin/ Respiratory</b>	No Adverse Effects	<b>Sensitization</b>	May cause sensitization of susceptible persons
<b>Symptoms of Exposure</b>	Possible irritation to eyes, skin or respiratory system	<b>Effects of Exposure</b>	No data available
<b>NTP Report on Carcinogens/ IARC Monographs / Potential OSHA Carcinogen</b>			Not Listed
<b>Acute Toxicity – Oral/Dermal/Inhalation</b>	None Known		

**SECTION XII – ECOLOGICAL INFORMATION**

<b>Persistence and Degradability</b>	No date available; readily biodegradable components and viable microorganisms
<b>Eco Toxicological Information</b>	Not data available
<b>Adverse Effects</b>	None Expected

**SECTION XIII – DISPOSAL CONSIDERATIONS**

This material is not considered hazardous waste according to Federal Regulations (40-CFR-261).

**SECTION XIV – TRANSPORTATION INFORMATION**

Not classified as dangerous with respects to transport regulations.

**SECTION XV – REGULATORY INFORMATION**

**HMIS**

<b>Health</b>		<b>Flammability</b>		<b>Reactivity</b>		<b>PPE</b>	
<b>1</b>	minor injury may occur	<b>0</b>	N/A	<b>0</b>	Normally stable	<b>E</b>	Safety Glasses and Gloves

**U.S. Federal Regulations**

Chemical Name	SARA 313 – Threshold Values	CERCLA/SARA- Section 302 Extremely Hazardous
Liquid Stabilized Microbial Mixture	Not Listed	Not Listed

**SECTION XVI – OTHER INFORMATION**

<b>Issuing Date</b>	<b>January 12, 2018</b>	<b>Revision Date</b>	-----
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