

**SAFETY DATA SHEET**  
VERSION 1.1  
Revision Date: August 2023

## Section 1: IDENTIFICATION

**Product Identifier:** MICROBE-LIFE TERPS PLUS

**Brand:** MICROBE-LIFE

**Product Number** is based on Product Size. For more information request for brochure/ refer one.

**Manufacturer:** Ecological Laboratories Inc.

**Address:** 2525 N.E. 9<sup>th</sup> Avenue  
Cape Coral, FL 33909

**Phone:** (800) 645-2976

**Emergency:** (800) 424-9300

**Outside USA:** (202) 483-7616

**Recommended Use:** Read Label.

## Section 2: HAZARD(S) IDENTIFICATION

**Hazard Classification:** Non-hazardous

**Signal Word:** NA

**Hazard Statement:** NA

**Pictograms:** NA

**Precautionary Statements:** Keep out of reach of children. Follow directions carefully. Avoid contact with eyes. If contact occurs, flush eyes thoroughly with cold water.

**Description of hazard not otherwise classified:** NA

## Section 3: COMPOSITION/INFORMATION ON INGREDIENTS

**Chemical Name:** NA

**Common Name & Synonyms:** MICROBE-LIFE TERPS PLUS

**Chemical Abstracts Service (CAS) number and unique identifiers:**

Ingredients are proprietary.

**Impurities & Stabilizing Additives:** NA

**Chemical Name and Concentration of all ingredients (classified as health hazard):** NA

## **Section 4: FIRST AID MEASURES**

**Note:** The product has been classified as a non-hazardous substance.

### **In case of skin contact**

Wash off immediately with plenty of water for at least 15 minutes.

### **In case of eye contact**

Rinse thoroughly with plenty of water for at least 15 minutes, lifting lower and upper eyelids. Consult a physician.

### **If inhaled**

Remove to fresh air.

### **If swallowed**

Clean mouth with water and drink afterwards plenty of water.

**Recommendation for immediate medical care:** Treat symptomatically.

## **Section 5: FIRE FIGHTING MEASURES**

### **Suitable extinguishing media**

Use extinguishing measures that are appropriate to local circumstances and the environment.

### **Special hazards arising from the substance or mixture**

Not determined

### **Advice for firefighters**

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

### **Further information**

NA

## **Section 6: ACCIDENTAL RELEASE MEASURES**

### **Personal Precautions, Protective Equipment and Emergency Procedures**

As mentioned under section 7.

### **Environmental Precautions**

See section 12 for additional Ecological Information.

### **Methods and materials for containment and cleaning up**

Prevent further leakage or spillage if safe to do so. Keep in suitable closed containers for disposal.

### **Reference to other sections**

See Section 7 for information on safe handling.

See Section 8 for information on PPE.

See Section 13 for disposal information.

## **Section 7: HANDLING & STORAGE**

### **Precautions for safe handling**

Minimize exposure in accordance with good hygiene practice. Keep out of reach of children.

### **Conditions for safe storage, including any incompatibilities**

To maintain shelf life, avoid prolonged exposure to high or low temperatures and humidity. Avoid temperatures above 110° F and keep from freezing.

### **Specific end use(s)**

NA

## Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

### Control parameters

None

### Components with workplace control parameters

Chemical name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Proprietary chelating agent	-	(vacated) Ceiling: 5 mg/m <sup>3</sup> Ceiling: 5 mg/m <sup>3</sup> Mn	IDLH: 500 mg/m <sup>3</sup> Mn TWA: 1 mg/m <sup>3</sup> Mn STEL: 3 mg/m <sup>3</sup> Mn
Proprietary base	Ceiling: 2 mg/m <sup>3</sup>	(vacated) Ceiling: 2 mg/m <sup>3</sup>	Ceiling: 2 mg/m <sup>3</sup>
Proprietary acid	-	15 mg/m <sup>3</sup> (Total)	-

### Exposure controls

Apply technical measures to comply with the occupational exposure limits.

### Appropriate engineering controls

Open air/Ventilation

### Personal protective equipment

Wash hands before and after using the product. Follow good housekeeping practices.

### Eye/face protection

None required for consumer use. If splashes are likely to occur, wear safety glasses with side-shields.

### Skin and Body protection

None required for consumer use. Repeated or prolonged contact: Wear protective gloves and protective clothing.

### Respiratory protection

No protective equipment is needed under normal use conditions. If exposure limits are exceeded or irritation is experienced, ventilation and evacuation may be required.

## Section 9: PHYSICAL & CHEMICAL PROPERTIES

### Appearance

Clear to slightly yellow liquid

### Odor

Mild

### pH

3.0 to 5.0

### Melting point/freezing point

NA

### Initial Boiling Point

NA

### Flash Point

NA

### Flammability (solid, gas)

None

### Vapor Pressure & Density

NA

### Water Solubility

NA

### Specific gravity

1.00 – 1.05

## Section 10: STABILITY AND REACTIVITY

### Reactivity

Not reactive under normal conditions.

### Chemical stability

Stable under recommended storage conditions.

### Possibility of hazardous reactions

None under normal processing.

### Condition to avoid

NA

### Incompatible materials

NA

### Hazardous decomposition products

NA

## Section 11: TOXICOLOGICAL INFORMATION

### Acute Toxicity

Chemical name	Oral LD50	Dermal LD50	Inhalation LC50
Proprietary acid	>1 g/kg (Rat)	-	-
Proprietary nitrate	= 3015 mg/kg (Rat)	-	-
Proprietary surfactant	> 5 g/kg (Rat)	> 5g/kg (Rabbit)	-
Proprietary base	= 284 mg/kg (Rat)	-	-
Proprietary nitrate	= 2217 mg/kg (Rat)	-	> 88.8 mg/L (Rat) 4 h
Proprietary acid	= 3000 mg/kg (Rat)	-	-
Proprietary acid	= 1850 mg/kg (Rat)	> 5 g/kg (Rabbit)	-

### Chronic Toxicity

Carcinogenicity: Nitrate or nitrite ingested under conditions that result in endogenous nitrosation are considered IARC group 2A carcinogens.

Chemical name	ACGIH	IARC	NTP	OSHA
Proprietary nitrate		Group 2A		X
Proprietary nitrite		Group 2A		X

### Legend

*IARC (International Agency for Research on Cancer)*

*Group 2A – Probably Carcinogenic to Humans*

*OSHA (Occupational Safety and Health Administration of the US Department of Labor)*

*X – Present*

### Additional Information

Numerical measures of toxicity

The following values are calculated based on chapter 3.1 of the GHS document.

Oral LD50 46,410.50 mg/kg



Proprietary chelating agent	X	X	X		X		X	
Proprietary nitrate	X	X	X	X	X	X	X	X
Proprietary acid	X	X	X	X	X	X	X	X
Proprietary acid	X	X	X	X	X	X	X	X

**Legend:**

**TSCA** – United States Toxic Substances Control Act Section 8(b) Inventory

**DSL/NDSL** – Canadian Domestic Substances List/NON-Domestic Substances List

**EINECS/ELINCS** – European Inventory of Existing Chemical Substances/European List Notified Chemical Substances

**ENCS** – Japan Existing and New Chemical Substances

**IECSC** – China Inventory of Existing Chemical Substances

**KECL** – Korean Existing and Evaluated Chemical Substances

**PICCS** – Philippines Inventory of Chemicals and Chemical Substances

**AICS** – Australian Inventory of Chemical Substances

**US Federal Regulations**

**CERCLA**

Chemical name	Hazardous Substances RQs	CERCLA/SARA RQ	Reportable Quantity (RQ)
Proprietary base	1000 lb		RQ 1000 lb final RQ RQ 454 kg final RQ

**SARA 313**

Chemical name	CAS No	Weight-%	SARA 313 – Threshold Values %
Proprietary nitrate -		<5	1.0
Proprietary chelating agent -		<1	1.0
Proprietary chelating agent -		<1	1.0
Proprietary nitrate -		<1	1.0

**CWA (Clean Water Act)**

Chemical name	CWA – Reportable Quantities	CWA Toxic Pollutants	CWA – Priority Pollutants	CWA – Hazardous Substances
Proprietary base	1000 lb			X

**US State Regulations**

**California Proposition 65**

This product does not contain any Proposition 65 chemicals.

**U.S. State Right-to-Know Regulations**

Chemical name	New Jersey	Massachusetts	Pennsylvania
Proprietary nitrate	X	X	X
Proprietary chelating agent	X		X
Proprietary base	X	X	X
Proprietary chelating agent	X		X
Proprietary nitrate	X	X	X

**Section 16: OTHER INFORMATION**

To the best of our knowledge, the information contained herein is accurate. However, neither the above-named manufacturer nor any of its subsidiaries assumes any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.

This product conforms on its chemical description and is reasonably fit for the purpose referred to in the directions for use when used in accordance with the directions under normal conditions. However, the manufacturer could withdraw the chemical composition of the product on the basis of it being a trade secret.

**29 CFR 1910.1200 (I)(1)**

The safety data sheet indicates that the specific chemical identity and/or percentage of composition is being withheld

as a trade secret; The specific chemical identity and percentage is made available to health professionals, employees, and designated representatives in accordance with the applicable provisions.

Seller makes no other warranty or representation of any kind, express or implied, concerning the product, including **NO IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS OF THE GOODS FOR ANY OTHER PARTICULAR PURPOSE**. No such warranties shall be implied by law and no agent of seller is authorized to alter this warranty in any way except in writing with a specific reference to this warranty. The exclusive remedy against seller shall be in a claim for damages not to exceed the purchase price of the product, without regard to whether such a claim is based upon breach of warranty or tort. Any controversy or claim arising out or relating to this contract, or breach thereof, shall be settle by arbitration in accordance with the commercial arbitration rules of the American Arbitration Association, and judgment upon the rendered by the Arbitrator(s) may be entered in any court having jurisdiction thereof.