

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. 9th 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 ³ Ceiling: 5 mg/m ³ Mn	IDLH: 500 mg/m ³ Mn TWA: 1 mg/m ³ Mn STEL: 3 mg/m ³ Mn
Proprietary base	Ceiling: 2 mg/m ³	(vacated) Ceiling: 2 mg/m ³	Ceiling: 2 mg/m ³
Proprietary acid	-	15 mg/m ³ (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.