

SAFETY DATA SHEET

2/29/18

1. IDENTIFICATION OF THE SUBSTANCE / PREPARATION AND THE COMPANY / UNDERTAKING

Product name E-Max Soil Zyme
Synonyms Bacterial Enzyme Complex (Natural Bio adjuvant)
Chemical characterization Proprietary Formula
Manufacturer EST Inc.
15785 South Keeler Terrace
Olathe, Kansas 66062
EMERGENCY TELEPHONE NUMBER 1-800-222-1222

2. COMPOSITION / INFORMATION ON INGREDIENTS

CAS	Chemical Name	% Weight	ACGIH TWA	Acute Toxicity	IARC*	NTP*	OSHA*
NA	Humate Complex	5.0%–15.0%	NA	No	No	No	No
68920-42-3	Bacterial Complex	97.0% -99.0%	NA	No	No	No	No
905-54-7	Hydrolyzed Protein	1.0% -3.0%	NA	No	No	No	No
NA	Amino Acid Complex	3.0% -5.0%	NA	No	No	No	No
NA	Iron (Fe) Chelates EDTA	2.0%–7.0%	NA	No	No	No	No
NA	Manganese (Mn) Chelates EDTA	2.0%–7.0%	NA	No	No	No	No

* IARC - Group 1 (Carcinogenic to humans)

* NTP - Report on Carcinogens - Known Carcinogens

* OSHA - Regulated Carcinogens

3. HAZARDS IDENTIFICATION

Emergency Overview

Keep away from open wounds and cuts

Eye Contact	Avoid eye contact
Skin Contact	Avoid all skin contact
Inhalation	Avoid inhalation
Ingestion	Avoid ingestion
General Advice	Slight risk
Properties Affecting Health	Light risk
Principle Routes of Exposure	Skin contact

4. FIRST AID MEASURES

General Advice	
Skin Contact	Rinse with soap and water
Eye Contact	Flush eyes with water
Inhalation	Move to well ventilated area
Ingestion	If swallowed see physician immediately

Notes to Physician	Inert Bacterial Phyto Enzymes
Protection of First-Aiders	Blends of enzymes and probiotics
Aggravated Medical Conditions	None

5. FIRE-FIGHTING MEASURES

Flash Point	Same as water
Suitable Extinguishing Media	Water and foam are suitable
Extinguishing media which must not be used for safety reasons	N/A

Specific Hazards

Special exposure hazards rising from the substance or preparation itself, its combustion products, or released gases	N/A
Special protective equipment for firefighters	This is not a hazardous product therefore, no special equipment required

Specific Methods

NFPA (National Fire Protection Association)	Health=(slight)1	Reactivity=0	Fire=0	Special=(none)
HMIS (Hazardous Material Information System)	Health=1 (slight)	Reactivity=0	Fire=0	Special=(none)

6. ACCIDENTAL RELEASE MEASURES

Personal precautions	Eye and Hand protection- Safety goggles and gloves recommended.
Environmental precautions	None. If spills, rinse water is safe to discharge in to the drain.
Methods for cleaning up	Soap and water

7. HANDLING AND STORAGE

Handling

Technical Measures / Precautions	Store between 40 F and 110 F. Keep from freezing.
Safe Handling Advice	Keep away from excess heat. Store product at room temperature. Wear rubber gloves for prolong skin contact

Storage

Technical Measures / Precautions	Keep container closed when not in use
Incompatible Products	N/A. Do not mix with other cleaning products or with polish.
Specific use(s)	N/A Do not use this product on a floor surface. It can make surface very slippery.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering measures	None
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Personal protective equipment

Hand Protection	Wear rubber gloves. Prolong contact may make skin slippery.
Eye protection	Use chemical goggles and ensure an eyewash station is readily available
Respiratory Protection	Ensure there is adequate ventilation. But not required.
Skin and Body Protection	Keep away from open wounds or cuts
Hygiene measures	Wash hands with soap and water after use
Environmental exposure controls	None-If large spills occurs Contain the spill; recollect in suitable container for disposal

9. PHYSICAL AND CHEMICAL PROPERTIES

General Information

Form	Liquid
Appearance	Light to Dark Brown
Odor	None

Important Health Safety and Environmental Information

pH	7.0-8.0
Boiling Point / Range	Same as water
Flash Point	Same as water
Molecular Weight	No data
Vapor Pressure	Same as water
Vapor Density	Same as water
Water Solubility	100%
Specific Gravity	1.01
Melting Point / Range	N/A

10. STABILITY AND REACTIVITY

Stability	This material is stable
Materials to Avoid	Do not mix with other chemical
Hazardous Decomposition Products	N/A
Polymerization	Hazardous polymerization will not occur

11. TOXICOLOGICAL INFORMATION

Acute Toxicity N/A

Component Information-Water and surfactant Mixture

Product Information-Water and Surfactant Mixture

Local Effects

Skin Irritation	No data available
Eye Irritation	May cause slight redness.
Inhalation	None No data available.
Ingestion	May cause slight stomach discomfort.
Sensitization	None- No data available.
Chronic Toxicity	None- No data available

Specific Effects

Carcinogenic Effects	N/A
Mutagenic Effects	N/A
Reproductive Toxicity	N/A
Target Organ Effects	N/A

12. ECOLOGICAL INFORMATION**Ecotoxicity Effects** NONE**Component information**

CAS	Chemical Name	% Weight	ACGIH*	OSHA*
NA	Bacterial Enzymes	NA	NA	NA
NA				

* ACGIH - Occupational Exposure Limits - TWA's

* OSHA - PELs

Product Information

Aquatic Toxicity	None
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Other Information

Ozone Depletion Potential; ODP; (R-11=1)	None- Ozone safe full VOC compliance
Global Warming Potential (GWP)	None -Ozone safe full VOC compliance
Additional Ecological Information	N/A Non polluted for air, water and soil
Mobility	N/A
Bioaccumulative Potential	N/A
Ecotoxicity Effects	N/A
Aquatic Toxicity	N/A

13. DISPOSAL CONSIDERATIONS

Waste From Residues / Unused Products	Follow all federal, state, and local government regulations for disposal considerations
Contaminated Packaging	As above

14. TRANSPORT INFORMATION

DOT	Shipping Class-55
UN-No	Not applicable
Proper shipping name	Cleaning compound Liq
Packing group	PG-I
Subsidiary Risk	None
Description	Water and surfactant mixture

15. REGULATORY INFORMATION

CERCLA	RCRA	VOC	EUOED*
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N/A	N/A	None	N/A

* EUOED - EU Occupational Exposure Directive (98/24/EC) Indicative Occupational Exposure Limit Values (IOELV)

16. OTHER INFORMATION

Literary Reference None.
Prepared By Regulatory Compliance

The information contained on this SDS is been checked and should be accurate. However, since the conditions of handling and use are beyond our control, we make no guarantee of results, and assume no liability for damages incurred by use of this material. It is the responsibility of the user to comply with all Federal, State, and Local laws and regulations.

End of Safety Data Sheet.