



MATERIAL SAFETY DATA SHEET

EM1

PREPARED: January 2024
PRODUCT NAME: EM1
ALTERNATIVE NAME: Effective Microorganisms
PRODUCED BY: EMNZ trading under Naturefarm Ltd
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SECTION I - PRODUCT IDENTIFICATION

GENERAL OR GENERIC NAME: Effective Microorganisms Fermented Formulation
GENERAL DESCRIPTION: Liquid Microbial Soil Conditioner, Compost Treatment
Liquid Microbial Waste Treatment
UN NUMBER: None
DANGEROUS GOODS CLASS: None
HAZCHEM CODE: N/A
POISONS SCHEDULE NO. N/A
USE: Compost treatment, Sludge reduction, Sewerage Pre-Treatment, Odour Reduction,
Waste Consumption, Soil Conditioner, Bio stimulant
MAXIMUM DOSAGE RATE: 1000ppm Usual Maximum Dose
HAZARD RATING: HEALTH: 0 Normal Material
FIRE: 0 Will not burn
REACTIVITY: 0 Stable
PRECAUTIONARY LABELLING: None required

SECTION II - HAZARDOUS INGREDIENTS

If present, carcinogens and chemicals subject to reporting are identified in this section:

<u>INGREDIENTS</u>	<u>%(By Volume)</u>	<u>Note</u>
Yeasts	Less than 1%	Non-Toxic
Lactobacillus	Less than 1%	Non-Toxic
Photosynthetic Bacteria	Less than 1%	Non-Toxic
Fungi	Less than 1%	Non-Toxic
Water	About 95%	Non-Toxic

No hazardous ingredients present; not hazardous to humans, animals or plants.

SECTION III - PHYSICAL DATA

APPEARANCE/ODOUR: Reddish Brown Colour / Fermented Fragrance
FREEZING POINT: 0 degrees Celsius
BOILING POINT: 100 degrees Celsius
VAPOUR PRESSURE: As Water
VAPOUR DENSITY: As Water
SPECIFIC GRAVITY: 1.2 (25°C)
SOLUBILITY IN WATER: Complete
% VOLATILE BY VOLUME: 0
EVAPORATION RATE: Equal to water
pH OF SOLUTION: 3.2 – 3.8

SECTION IV - FIRE AND EXPLOSION INFORMATION

FLASH POINT: N/A
HAZARDOUS DECOMPOSITION BYPRODUCTS: None
EXPLOSION LIMIT: 0
FIRE FIGHTING PROCEDURES: N/A
EXTINGUISHING: N/A
SPECIAL FIRE & EXPLOSION HAZARDS: None

SECTION V - HEALTH HAZARD DATA

PERMISSIBLE EXPOSURE LEVEL: None; see Section II
HEALTH HAZARDS: None
CARCINOGENICITY: Non-carcinogenic
EFFECTS OF CHRONIC OVEREXPOSURE: None
PRIMARY ROUTES OF ENTRY: Skin contact, Eye contact, Ingestion, Inhalation

SIGNS AND SYMPTOMS OF EXPOSURE:

SKIN: None
EYES: May result in mild irritation--Avoid contact with water-based contact lenses
INHALATION: None
INGESTION: May cause nausea if swallowed

FIRST AID:

IF ON SKIN: None
IF ON EYES: Flush with fresh water
IF INHALED: None
IF INGESTED: If swallowed, do not induce vomiting.
Give a glass of water and seek Medical Advice.

SECTION VI - REACTIVITY DATA

HAZARDOUS POLYMERIZATION: Will not occur
STABILITY: Stable. No toxic fumes.
INCOMPATIBILITY: None
HAZARDOUS DECOMPOSITION OR BYPRODUCTS: None; biodegradable
MATERIALS TO AVOID: None

SECTION VII - SPILL OR LEAK PROCEDURES

IN CASE OF LEAK OR SPILL: Mop up with fresh water, sewer disposal
WASTE DISPOSAL METHOD: Sewer disposal
HANDLING AND STORING PRECAUTIONS: Store at room temperature
OTHER PRECAUTIONS: Not recommended for human consumption

SECTION VIII - PROTECTIVE EQUIPMENT TO BE USED

RESPIRATORY PROTECTION: None
VENTILATION: None
PROTECTIVE GLOVES: Optional
EYE PROTECTION: Safety glasses recommended, as liquid has a low pH.
PROTECTIVE CLOTHING: None
WORK PRACTICES: Clean up spills immediately; floor will be slick

SECTION IX – WASTE DISPOSAL INFORMATION

Dispose to sewer or with composted material

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