

EM Hawaii, Inc., DBA EMRO USA Effective Microorganisms

MATERIAL SAFETY DATA SHEET

EM•1 Microbial Inoculant: Soil Amendment

PREPARED: 11/01/02
PRODUCT NAME: EM•1 Microbial Inoculant: Soil Amendment
PRODUCED BY: EM Hawaii, Inc. DBA, EMRO USA Effective Microorganisms
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SECTION I - PRODUCT IDENTIFICATION

GENERAL OR GENERIC NAME: Liquid Microbial Waste Treatment

HAZARD RATING: HEALTH: 0 Normal Material
FIRE: 0 Will not burn
REACTIVITY: 0 Stable

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

SECTION III - PHYSICAL DATA

BOILING POINT:	>100 °C	SPECIFIC GRAVITY:	1.2 (25°c)
VAPOR PRESSURE:	N/D	SOLUBILITY IN WATER:	Complete
VAPOR DENSITY:	Air = 1	MELTING POINT:	N/A
% VOLATILE BY VOLUME:	0	EVAPORATION RATE:	Equal to water
APPEARANCE AND ODOR:	Brown liquid; mild	pH OF SOLUTION:	3.5

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 cause eye irritation
INHALATION: None
INGESTION: May cause gas

FIRST AID:

IF ON SKIN: None
IF ON EYES: Flush with fresh water
IF INHALED: None
IF INGESTED: Drink fresh water

SECTION VI - REACTIVITY DATA

HAZARDOUS POLYMERIZATION: Will not occur
STABILITY: Stable, not effected by freezing. No toxic fumes.
INCOMPATIBILITY: None
HAZARDOUS DECOMPOSITION OR BYPRODUCTS: None; biodegradable

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
PROTECTIVE CLOTHING: None
WORK PRACTICES: Clean up spills immediately; floor will be slick