



Effective Microorganism™ Technology

Material Safety Data Sheet (MSDS)

PRODUCT NAME: EM•1®

COMMON NAME: AEM, EEM, EM Solid/liquid Waste, EM Agriculture, EM Livestock, Septic Aid

PRODUCED BY:

Belize Agro-enterprise Limited (BAEL)
Phone: (501) 822-3518 or 662-3518
#18 Haulover Creek Road, Belmopan City
Cayo District, Belize Central America

SECTION I - PRODUCT IDENTIFICATION

GENERAL OR GENERIC NAME: Liquid Microbial Inoculant

COMPOSITION: Fermented organic material: Lactic Acid Bacteria, Yeast, Phototrophic Bacteria

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:

INGREDIENTS %(By Volume)

Note: 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 – 4.5

SECTION IV - FIRE AND EXPLOSION INFORMATION

FLASH POINT: N/A

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

SECTION V - HEALTH HAZARD DATA

HEALTH HAZARDS: None
CARCINOGENICITY: Non-carcinogenic
EFFECTS OF CHRONIC OVEREXPOSURE: None
PERMISSIBLE EXPOSURE LEVEL: None; see Section II
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

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

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