

MATERIAL SAFETY DATA SHEET (1)

Effective Microorganisms EM 1

PREPARED: 12/15/97

PRODUCT NAME: EM 1

PRODUCED BY:
EM Production B.V.
Industriestraat 1 b
8391 AG Noordwolde
0031 (0)561 433115

SECTION I - PRODUCT IDENTIFICATION

GENERAL OR GENERIC NAME: **Liquid Microbial Inoculant**
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 oC** SPECIFIC GRAVITY: **1.007**
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**

MATERIAL SAFETY DATA SHEET (2)

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SECTION VI - REACTIVITY DATA

HAZARDOUS POLYMERIZATION: **Will not occur**

STABILITY: **Stable, 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**