

Safety Data Sheet

Date of Issue: February 28th, 2022

Section 1 Product Description

Product Name: EM-1® Microbial Inoculant

Uses: agriculture & fishery, water treatment, deodorization, sewerage sludge treatment, food waste treatment

Produced By: EM Research Organization, Inc.

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Section 2 Product Identification

Liquid which are cultured with Lactic acid bacteria and yeast-based microorganisms with organic matter such as molasses

Section 3 Hazard Identification

This section identifies the hazards of the chemical presented on the SDS and the appropriate warning information associated with those hazards.

Risk: Non-inflammable

Toxicity: In case of contact to skin or the mucous membrane, it might cause inflammation. In case of swallowing in large doses, it might cause diarrhea

Environmental Effect: It can be resolved easily.

Section 4 First Aid Measures

Emergency and First Aid Procedures

If on Skin: Rinse with clean water.

Inhalation: None. If felt sick, take a rest and consult a doctor.

If on eyes: Rinse with clean water.

Ingestion: None. If felt sick, take a rest and consult a doctor.

Section 5 Firefighting Procedures

Fire Fighting Methods: General Fire Fighting shall be taken.

Fire Fighting Protection: Same precautions shall be taken.

Section 6 Spill or Leak Procedures

Steps to Take in Case Material Is Released or Spilled:

Floors: Mop up with fresh water, sewer disposal

Waste Disposal Method: Sewer disposal.

Soil: Rinse area with water.

Section 7 Handling and Storage

Handling: Avoid excessive shaking. Do not freeze.

Storage: Keep container closed and out of direct sunlight.

Section 8 Protection Information

Respiratory Protection: None

Ventilation: None

Protective Clothing: None

Allowable Concentration: None

Section 9 Physical Data

Appearance: Brown liquid

Inflammability: None

Explosibility: None

Solubility: It can be dissolved to water.

Specific Gravity: Around 1.015

pH: 3.0-3.5

Solid Point: 0 °C

Section 10 Stability and Reactivity

It is stable under normal conditions.

Section 11 Toxicity Data

Toxicity Test using female mouse: No toxicity

Optic Irritation Test using rabbit: No stimulation

Skin first-stage irritation Test: Low stimulation

Section 12 Ecological Data

No ecological hazards known at any concentration.

Section 13 Disposal Information

Disposal Methods: Either use old or expired product in compost or pour down a common drain.

Section 14 Transport Information

IMDG: N/A

ICAO-TI: N/A

IATA-DGR: N/A

Specific precautionary transport measures and conditions.

Before loading, make sure that no damage or leakage happened. Avoid overturn, fall-down, and any other damage both on loading and transporting.

Section 15 Regulatory Information

TSCA Status: Not on Toxic Substances Lists

Section 16 Additional Information

N/A