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Section 1 Product Description

Product Name: EM-1® Septic Treatment

Recommended Uses: Waste and Wastewater Treatment, Bioremediation, Odor Control

Synonyms: Microbial Inoculant, Microbes, Deodorizer

Produced By: EMRO USA, Inc.

2440 N Coyote Dr

Suite 126

Tucson, AZ 85745

(520) 792-3143

Chemical Identification: (866) 369-3678 x81

Section 2 Hazard Identification

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

Pictograms: None exist for Non-hazardous materials

Hazard Rating: Health: 0 Normal Material

Fire: 0 Will not burn

Reactivity: 0 Stable

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

GHS Classification:

No classification exists for microorganisms

Other Safety Precautions: None necessary.

Section 3 Composition / Information on Ingredients

Chemical Name CAS#

Water 7732-18-5

Lactic Acid Bacteria Not Classified

Yeast Not Classified

Photosynthetic Bacteria Not Classified

Section 4 First Aid Measures

Emergency and First Aid Procedures

Inhalation: In cases of inhalation, remove to fresh air

Eyes: In case of contact with eyes, rinse with water for 10 seconds.

Skin Contact: Rinse with clean water.

Ingestion: If swallowed, drink some fresh water.

Section 5 Firefighting Procedures

Extinguishing Media: Material will not combust.

Fire Fighting Methods and Protection: Same precautions shall be taken as for fighting a fire of water.

Fire and/or Explosion Hazards: None

Hazardous Combustion Products: None

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. Material is Biodegradable, all natural organic ingredients, Non-GMO

Soil: Rinse area with water.

Section 7 Handling and Storage

Handling: Pour material with spigot, siphon, or dosage pumps. Material digests biological matter (fats, oils, grease). Avoid contact with these materials if you don't want them digested.

Storage: Store at temperatures between (40 and 120° F) Do not freeze. Keep container closed and out of direct sunlight.

Storage Code: Green. General Chemical Storage.

Section 8 Protection Information

Respiratory Protection: None

Ventilation: None

Protective Gloves: Optional

Eye Protection: Safety glasses optional

Protective Clothing: None

Work Practices: Clean up spills immediately; floor will be slick

Section 9 Physical Data

Formula: Proprietary Vapor Pressure: N/D

Molecular Weight: Evaporation Rate: Equal to water

Appearance: Brown liquid Vapor Density (Air=1) 0.804 g/L

Odor: Mild Specific Gravity: 1.2 (25°C)

pH: 3.5 Solubility in Water: Soluble

Melting Point: N/A Log Pow (calculated): Not known

Boiling Point: >100 °C Autoignition Temperature: 536°C

Flash Point: None Viscosity: Same as water

Flammable Limits in Air: N/A % Volatile by Volume: 0

Section 10 Reactivity Data

Reactivity: Not reactive under normal conditions.

Chemical Stability: Stable

Incompatible Materials: None, non-reactive

Hazardous Decomposition Products: None

Hazardous Polymerization: Will not occur

Section 11 Toxicity Data

Routes of Entry: Inhalation and ingestion

Symptoms (Acute): Coughing, abdominal discomfort (gas pain), loose stool

Displayed Effects: No long-term effects.

Acute Toxicity:

Chemical Name CAS Number Oral LD50 Dermal LD50 Inhalation LD50

Water 7732-18-5 Oral LD50 Rat 90000 mg/kg

Lactic Acid Bacteria Not Classified

Yeast Not Classified

Photosynthetic Bacteria Not Classified

Carcinogenicity:

CAS Number IARC NTP OSHA

Water 7732-18-5 Not Listed Not Listed Not Listed

Lactic Acid Bacteria Not Classified Not Listed Not Listed Not Listed

Yeast Not Classified Not Listed Not Listed Not Listed

Photosynthetic Bacteria Not Classified Not Listed Not Listed Not Listed

Chronic Effects:

Mutagenicity: No evidence of a mutagenic effect.

Teratogenicity: No evidence of a teratogenic effect (birth defect)

Sensitization: No evidence of a sensitization effect.

Reproductive: No evidence of negative reproductive effects

Target Organ Effects:

Acute: No evidence of acute effects on organs.

Chronic: No evidence of effects on the eyes.

Section 12 Ecological Data

Overview: No ecological hazards known at any concentration.

Mobility: This material is expected to be moderately mobile in soils. It absorbs into most soil types.

Persistence: 100% Biodegradable

Bioaccumulation: Bioaccumulation is not expected or occur.

Degradability: Biodegrades quickly.

Other Adverse Effects: No Data.

Chemical Name CAS Number Eco Toxicity

Water 7732-18-5 No Data Available

Lactic Acid Bacteria Not Classified No Data Available

Yeast Not Classified No Data Available

Photosynthetic Bacteria Not Classified No Data Available

Section 13 Disposal Information

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

Water Disposal Code(s): This is an unregulated material.

Section 14 Transport Information

Ground –DOT Proper Shipping Name AIR IATA Proper Shipping Name:

Section 15 Regulatory Information

TSCA Status: Not on Toxic Substances Lists

Section 16 Additional Information

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The information provided in this (Material) Safety Data Sheet represents a compilation of data drawn directly from various sources available to us. Carolina Biological Supply makes no representation or guarantee as to the suitability of this information to a particular application of the substance covered in the (Material) Safety Data Sheet.

Glossary

ACGIH American Conference of Governmental NTP National Toxicology Program
Industrial Hygienists

CAS Chemical Abstract Service Number OSHA Occupational Safety and Health Administration

CERCLA Comprehensive Environmental Response, PEL Permissible Exposure Limit
Compensation, and Liability Act ppm Parts per million

RCRA Resource Conservation and Recovery Act

DOT U.S. Department of Transportation SARA Superfund Amendments and Reauthorization Act

IARC International Agency for Research on Cancer TLV Threshold Limit Value

N/A Not Available TSCA Toxic Substances Control Act

IDLH Immediately dangerous to life and health

"We have healthier chickens, healthier eggs, no smell, great compost, no flies and happy chickens. Yay for no neighbor complaints about bad smells!"