# SAFETY DATA SHEET FORM

**MicroEssentials Powder**

## Section 1 - PRODUCT and COMPANY IDENTIFICATION

### 1.1 Product Identifier

- **Product Name:** MicroEssentials Powder
- **Product Code(s):** ME-POWDER
- **Chemical Name:** Mixture
- **Synonyms:** NA

### 1.2 Relevant identified uses of the substance or mixture and uses advised against

- **Intended Product Use:** Complex nutrient blend, food ingredient

### 1.3 Details of the supplier of the safety data sheet

- **Manufacturer/Distributor:** Gusmer Enterprises, Inc.
- **Postal Address:** 81 M Street, Fresno, CA 93721 USA
- **Telephone Number:** (01)(559) 485-2692 (USA) (product info)
- **Hours of Operation:** Monday - Friday 8:00am-5:00pm PST
- **Medical Emergency:** 911
- **Chemical Emergency:** (800) 424-9300

## Section 2 - HAZARDS IDENTIFICATION

### 2.1 Classification of the substance or mixture:

- **GHS Classification in accordance with 29 CFR 1910 (OSHA HCS):** Combustible Dust

### 2.2 Label Elements

- **Hazard Pictogram(s):** None
- **Signal Word:** Warning
- **Hazard Statements:** None
- **Precautionary Statements:** None

### 2.3 Emergency Overview

- **Appearance/Odor:** Tan colored powder with yeast like aroma.
- **Other Hazards:**
  - **Warning:** Inhalation may cause respiratory irritation, breathlessness, coughing, chest tightness, and difficulty breathing. May cause skin irritation on prolonged contact. May cause eye irritation upon direct contact. Excessive ingestion may cause intestinal discomfort (bloating, cramping, diarrhea, etc.).
  - **Precautionary Statements:** Avoid heat, sparks, flames and other ignition sources. Prevent dust accumulations to minimize explosion hazard. Ventilation recommended.

## Section 3 - COMPOSITION / INFORMATION on INGREDIENTS

<table>
<thead>
<tr>
<th>Ingredient(s)</th>
<th>Common Name &amp; Synonyms</th>
<th>Percentage</th>
<th>CAS No.</th>
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## Section 4 - FIRST AID MEASURES

### 4.1 Description of the first aid measures

- **Eye Contact:** Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.
- **Skin Contact:** Immediately wash with water and soap and rinse thoroughly.
- **Inhalation:** In case of unconsciousness, place patient securely on side position for transportation.
- **Ingestion:** Give large amounts of water. If symptoms persist consult doctor.

### 4.2 Most important symptoms and effects, both acute and delayed

- **Eye Contact:** May cause irritation.
- **Skin Contact:** May cause irritation.
- **Inhalation:** May cause irritation.
- **Ingestion:** May cause intestinal discomfort

### 4.3 Indication of any immediate medical attention and special treatment needed

- **Treatment:** No special advice, treat symptomatically.

## Section 5 - FIREFIGHTING MEASURES

### 5.1 Extinguishing Media

- **Suitable Extinguishing Media:** Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

### 5.2 Special hazards arising from the substance or mixture

- **No further relevant information available.**

### 5.3 Advice for firefighters

- **As in any fire, wear NIOSH-approved self contained breathing apparatus and appropriate protective clothing.**

- Depending on airborne concentration, moisture content, particle diameter, surface area and exposure to an ignition source, airborne dust may ignite and burn with explosive force in a contained area.
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MicroEssentials Powder

Section 6 - ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Avoid inhalation of dust.

6.2 Environmental precautions

None, discharge in accordance with federal, state and local laws.

6.3 Methods and materials for containment and cleaning up

If large amounts of dust are generated, collect with vacuum or suppress with water spray and sweep up. Minimize compressed air blowdown or other practices that generate high dust levels.

See Section 8 for appropriate personal protective equipment.

Section 7 - Handling and Storage

7.1 Precautions for safe handling

Avoid generating excessive dust. If dust levels are suspected to be over PEL, wear a NIOSH approved N95 or greater respirator. Protect from excessive moisture. Maintain good housekeeping practices. Avoid contact with eyes, skin and clothing.

See Section 8 for more information

7.2 Conditions for safe storage, including any incompatibilities

Store in original container or clean, covered container. Store in cool, dry, well-ventilated area. Product should be kept sealed and dry.

See Section 8 for OSHA permissible exposure limits

Section 8 - EXPOSURE CONTROL / PERSONAL PROTECTION

8.1 Control parameters

This product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

8.2 Exposure controls

Normal Handling Conditions

If necessary use ventilation system to keep airborne dust concentration below permissible exposure limits. Ventilation to control dust should be considered where potential explosive concentrations and ignition sources are present. The design and operation of any exhaust system should consider the possibility of explosive concentrations of dust within the system.

Ensure that exhaust ventilation and material transport systems involved in handling this product contain explosion relief vents or suppression systems designed and operated in accordance with applicable standards if the operating conditions justify their use.

Respiratory Protection:

If dust levels are suspected to be over PEL, wear a NIOSH approved N95 or greater respirator.

Eye Protection:

ANSI Z87+ approved dust goggles or safety glasses, if necessary, to avoid eye irritation.

Skin Protection:

Cover skin with clothing and/or gloves if skin dryness or irritation occurs.

General Hygiene:

Maintain good housekeeping practices, wash hands after handling, avoid direct eye contact. Clean up areas where dust settles to avoid excessive accumulation of this combustible material. Minimize compressed air blowdown or other practices that generate high airborne dust concentrations.

Section 9 - PHYSICAL and CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Physical State: Powder
Color: Tan colored
Odor: Yeast-like aroma
pH: No Data Available
Melting / Freezing Point: No Data Available
Initial Boiling Point & Boiling Range: No Data Available
Flash Point: No Data Available
Evaporation Rate: No Data Available
Flammability (solid, gas): upper: No Data Available lower: No Data Available
Explosive Limits: LEL: No Data Available UEL: No Data Available
Vapor Pressure: No Data Available
Auto-ignition Temperature: No Data Available
Decomposition: No Data Available
Partition Coefficient (n-octanol/water): No Data Available
Oxidizing Properties: No Data Available
Relative Density: No Data Available
Solubility(ies): Partially soluble in water
Viscosity: No Data Available

Section 10 - STABILITY and REACTIVITY

10.1 Reactivity: No Data Available
10.2 Chemical stability: Stable under recommended storage conditions.
10.3 Possibility of hazardous reactions: None
10.4 Conditions to avoid: Avoid open flame, sparks and other sources of ignition. Avoid humidity
10.5 Incompatible materials: Avoid open flame, sparks and other sources of ignition.
10.6 Hazardous decomposition products: No Data Available
Section 11 - TOXICOLOGY INFORMATION

11.1 Information on toxicological effects
Toxicology Data:
The product has not been fully tested. The statements have been derived in parts from products of a similar structure or composition.

Skin Corrosion/Irritation: Irritant to skin and mucous membranes.

Serious Eye Damage/Eye Irritation: Irritating effect.

Respiratory or Skin Sensitization: No sensitizing effects known.

STOT - Single Exposure: May cause upper respiratory tract irritation.

STOT - Repeated Exposure: Not known to produce any long-term effects from continuing exposure.

Aspiration Hazard: No Data Available

Mutagenicity: No Data Available

Productive Toxicity: No Data Available

Carcinogenicity:
- IARC: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by IARC.
- ACGIH: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.
- NTP: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by NTP.
- OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

11.2 Further Information

Mutagenicity: No Data Available

Productive Toxicity: No Data Available

Carcinogenicity: Not classified as a carcinogen by OSHA, NTP, or IARC in their reviews.

Section 12 - ECOLOGICAL INFORMATION

12.1 Toxicity
No Data Available

12.2 Persistence and degradability
No Data Available

12.3 Bioaccumulative potential
No Data Available

12.4 Mobility in soil
No Data Available

12.5 Other adverse effects
No Data Available

Section 13 - DISPOSAL CONSIDERATIONS

Substance: Dispose of content and/or container in accordance with local, regional, national, and/or international regulations.

Section 14 - TRANSPORTATION INFORMATION

UN Number: Not Applicable
Class: Not Applicable
Proper Shipping Name: Not Applicable
Packing Group: Not Applicable
Marine Pollutant: Not Applicable
Other Applicable Information: Not Applicable

Section 15 - REGULATORY INFORMATION

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture
Intended for use only by commercial manufacturers. Not intended for retail sale or use by individual consumers.

California Prop. 65 Components: This product does not contain any chemicals known to the State of California to cause cancer, birth defects, or any other reproductive harm.

Section 16 - OTHER INFORMATION

Product Number(s): ME-Powder

Prepared By: Gusmer Enterprises, Inc.
Name of Preparer: Eric Anderson
Title: Corporate Safety & Regulatory Manager
Date: 12/20/2019

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GHS Hazard Warning Label

MicroEssentials Powder
Warning: May form combustible dust concentrations in air.
Avoid heat, sparks, flames and other ignition sources.
Prevent dust accumulations to minimize explosion hazard.
Ventilation recommended.
Gusmer Enterprises Inc.
81 M St. Fresno, CA 93721 (559) 485-2692
CONSULT SDS FOR ADDITIONAL INFORMATION ON HAZARD