SAFETY DATA SHEET FORM
MicroEssentials Prime

Section 1 - PRODUCT and COMPANY IDENTIFICATION

1.1 Product Identifier
Product Name: MicroEssentials Prime
Product Code(s): ME-PRIME
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

1.4 Emergency telephone number
Medical Emergency: 911
Chemical Emergency: (800) 424-9300

Section 2 - HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture:

2.2 Label Elements
Hazard Pictogram(s): None
Signal Word: Warning
Hazard Statements: None
Precautionary Statements:
Appearance/Odor: Tan colored powder with yeast like aroma.
Other Hazards: May cause irritation.

2.3 Emergency Overview
Immediate wash with water and soap and rinse thoroughly.
In case of unconsciousness, place patient securely on side position for transportation.
May cause irritation.
Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.

Section 3 - COMPOSITION / INFORMATION on INGREDIENTS

Ingredients in this product are identified as flavoring compounds and NIOSH has reported the occurrence of severe lung disease in some workers who make or use flavorings. The mixture has not been tested as a whole. It contains ingredients which could be released from the mixture in concentrations which would exceed an established OSHA permissible exposure limit or ACGIH Threshold Limit Value, or could present a health risk to employees.

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.
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 suppression 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 limit(s).

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

<table>
<thead>
<tr>
<th><strong>Engineering Controls:</strong></th>
<th>Normal Handling Conditions</th>
</tr>
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<tbody>
<tr>
<td>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.</td>
<td>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.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th><strong>Respiratory Protection:</strong></th>
<th>If dust levels are suspected to be over PEL, wear a NIOSH approved N95 or greater respirator.</th>
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<thead>
<tr>
<th><strong>Eye Protection:</strong></th>
<th>ANSI Z87+ approved dust goggles or safety glasses, if necessary, to avoid eye irritation.</th>
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<tr>
<th><strong>Skin Protection:</strong></th>
<th>Cover skin with clothing and/or gloves if skin dryness or irritation occurs.</th>
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<tr>
<th><strong>General Hygiene:</strong></th>
<th>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.</th>
</tr>
</thead>
</table>

Section 9 - PHYSICAL and CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

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

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
SAFETY DATA SHEET FORM
MicroEssentials Prime

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

11.2 Further Information

Mutagenicity: No Data Available

Productive Toxicity: No Data Available

Carcinogenicity: 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, NTP, or OSHA.

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

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-Prime

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 Prime

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