Section 1 - PRODUCT and COMPANY IDENTIFICATION
1.1 Product Identifier
Product Name: MicroEssentials Boost TR
Product Code(s): M-BOOST
Chemical Name: Mixture
Synonyms: NA

1.2 Relevant identified uses of the substance or mixture and uses advised against
Standard Product Use: Nutrient blend with Time-Release mechanism, 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
1401 Ware Street, Waupaca, WI 54981 USA
Telephone Number: (515) 485-2862 (USA) or (1) 715-293-5525 (UK) or (1) 715-293-5526 (UK)
Hours of Operation: Monday - Friday 8:00am - 5:00pm PST
Monday - Friday 8:00am - 5:00pm CST

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:
GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)
This product, as shipped, is not regulated as an OSHA hazardous material when used in its normal state and use.

2.2 Label Elements
Hazard Pictogram(s): Not Applicable
Signal Word: Not Applicable
Hazard Statements: Not Applicable
Precautionary Statements: Not Applicable

2.3 Emergency Overview
Appearance/Odor: White colored tablets 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 internal discomfort (bloating, cramping, diarrhea, etc.).

Section 3 - COMPOSITION / INFORMATION on INGREDIENTS
The identity of the individual components of this product is proprietary information and is considered a trade secret...
This product consists of a proprietary mixture which includes organic and inorganic nitrogen, vitamins and minerals.

Section 4 - FIRST AID MEASURES
4.1 Description of the first aid measures
Skin Contact: Wash off with soap and plenty of water.
Eye Contact: If breathed in, move person into fresh air. If not breathing, give artificial respiration. Never give anything by mouth to an unconscious person. Please mouth with water.
Inhalation: If breathed in, move person into fresh air. If not breathing, give artificial respiration.

4.2 Most important symptoms and effects, both acute and delayed
Skin Contact: May cause irritation.
Eye Contact: May cause irritation.
Inhalation: May cause irritation.
Ingestion: May cause internal discomfort

4.3 Indication of any immediate medical attention and special treatment needed
Treatment: Not applicable, 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 fire-fighters
As in any fire, wear NIOSH-approved self contained breathing apparatus and appropriate protective clothing.

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.
More concentrated 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.

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.

Section 8 - RECOMMENDATIONS ON SAFE HANDLING/USE
See Section 8 for appropriate personal protective equipment.

Section 9 - PHYSICAL AND CHEMICAL PROPERTIES
Description: White colored tablets with yeast like aroma.

Section 10 - STABILITY AND REACTIVITY
This product is not expected to exhibit unusual stability or reactivity.

Section 11 - TOXICOLGY INFORMATION
This product, as shipped, is not regulated as an OSHA hazardous material when used in its normal state and use.

Section 12 - ECOLOGICAL INFORMATION
This product, as shipped, is not regulated as an OSHA hazardous material when used in its normal state and use.

Section 13 - DISPOSAL CONSIDERATIONS
None, discharge in accordance with federal, state and local laws.

Section 14 - TRANSPORT INFORMATION
This product, as shipped, is not regulated as an OSHA hazardous material when used in its normal state and use.

Section 15 - REGULATORY INFORMATION
This product, as shipped, is not regulated as an OSHA hazardous material when used in its normal state and use.

Section 16 - ADDITIONAL INFORMATION
See Section 8 for OSHA permissible exposure limits.
SAFETY DATA SHEET FORM

MicroEssentials Boost TR

Section 8 - EXPOSURE CONTROL / PERSONAL PROTECTION

8.1 Control parameters

<table>
<thead>
<tr>
<th></th>
<th>OSHA PEL</th>
<th>NIOSH REL</th>
<th>ACGIH TLV</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cellulose</td>
<td>PEL-TWA: 15 mg/m³ Total Dust / 3 mg/m³ Respirable Dust</td>
<td>REL-TWA: 10 mg/m³</td>
<td>TLV-TWA: 10 mg/m³ Total Dust</td>
</tr>
</tbody>
</table>

8.2 Exposure controls

Engineering 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 cellulose 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, use a NIOSH approved N95 or greater respirator.

Eye Protection:
- ANSI Z87.1 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

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Physical State</td>
<td>Solid Tablet</td>
</tr>
<tr>
<td>Color</td>
<td>White colored</td>
</tr>
<tr>
<td>Odor</td>
<td>Yeast-like aroma</td>
</tr>
<tr>
<td>pH</td>
<td>No Data Available</td>
</tr>
<tr>
<td>Melting / Freezing Point (Specify)</td>
<td>No Data Available</td>
</tr>
<tr>
<td>Flash Point</td>
<td>No Data Available</td>
</tr>
<tr>
<td>Evaporation Rate</td>
<td>No Data Available</td>
</tr>
<tr>
<td>Flammability</td>
<td>upper: No Data Available</td>
</tr>
<tr>
<td>Explosive Limits</td>
<td>LEL: No Data Available</td>
</tr>
<tr>
<td>Flash Point</td>
<td>No Data Available</td>
</tr>
<tr>
<td>Evaporation Rate</td>
<td>No Data Available</td>
</tr>
<tr>
<td>Vapor Pressure</td>
<td>No Data Available</td>
</tr>
<tr>
<td>Vapor Density</td>
<td>No Data Available</td>
</tr>
<tr>
<td>Relative Density</td>
<td>No Data Available</td>
</tr>
<tr>
<td>Partition Coefficient octanol/water</td>
<td>No Data Available</td>
</tr>
<tr>
<td>Auto-ignition Temperature</td>
<td>No Data Available</td>
</tr>
<tr>
<td>Decomposition</td>
<td>No Data Available</td>
</tr>
<tr>
<td>Oxidizing Properties</td>
<td>No Data Available</td>
</tr>
<tr>
<td>Viscosity</td>
<td>No Data Available</td>
</tr>
</tbody>
</table>

9.2 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:
- The product is not classified as corrosive. The statements have been derived in parts from products of a similar structure or composition.

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:
- Not classified as a carcinogen by OSHA, NTP, or ACGIH in their reviews.

- No component of this product present at levels greater than or equal to 0.1% is known as a carcinogen or potential carcinogen by 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 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 OSHA.
SAFETY DATA SHEET FORM
MicroEssentials Boost TR

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:
Class:
Not Applicable
Proper Shipping Name:
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

Massachusetts Right To Know Components:
No components are subject to the Massachusetts Right to Know Act.

Pennsylvania Right To Know Components:
Diammonium Phosphate CAS-No. 7783-28-0
Cellulose CAS-No. 9004-34-6
Yeast Extracts CAS-No. 84604-16-0
Polysaccharide

New Jersey Right To Know Components:
Diammonium Phosphate CAS-No. 7783-28-0
Cellulose CAS-No. 9004-34-6
Yeast Extracts CAS-No. 84604-16-0
Polysaccharide

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-BOOST

Prepared By:
Gusmer Enterprises, Inc.
Name of Preparer:
Eric Anderson
Title:
Corporate Safety & Regulatory Manager
Date:
9/25/2019

DISCLAIMER: While the information in this document is based on data which, to the best of our knowledge, was accurate and reliable at the time of preparation, no responsibility can be accepted by us for errors or omissions. The provision of this information should not be construed as a recommendation to use any of our products in violation of any patent rights or in breach of any statute or regulation. Users are advised to make their own determinations as to the suitability of this information in relation to their particular purposes and specific circumstances. Since the information contained in this document may be applied under conditions beyond our control, we can accept no responsibility for any loss or damage caused by any person acting or refraining from acting as a result of this information.

GHS Hazard Warning Label
No Hazard Warning Label Required:
Not considered a hazardous material when used in its normal state and use.