Gusmer Enterprises, Inc.®

Issue Date: 11/11/25
Version: 2.0

SAFETY DATA SHEET

MicroElements Brewing Nutrients - Powder

Section 1 - PRODUCT and COMPANY IDENTIFICATION

1.1 Product Identifier

Product Name: MicroElements Brewing Nutrient - Powder
Product Code(s):
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:

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:
May form combustible dust concentrations in air.

Precautionary Statements:
Avoid heat, sparks, flames and other ignition sources.
Prevent dust accumulations to minimize explosion hazard.
Ventilation recommended.

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.).

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 3 - COMPOSITION / INFORMATION on INGREDIENTS

The identity of the individual components of this product is proprietary information and is considered a trade secret pursuant to 29 CFR 1910.1200

Ingredient(s)	Common Name & Synonyms	Percentage	CAS No.
Microcrystalline Cellulose	MCC	6 - 8%	9004-34-6

Section 4 - FIRST AID MEASURES

4.1 Description of the first aid measures

Eye Contact: If product enters the eyes, open eyes while under gentle running water for several minutes. Remove contact lenses if present and easy to do. Continue rinseing for at least 15 minutes. Seek medical attention.
Skin Contact: Immediately wash with water and soap and rinse thoroughly.
Inhalation: If breathed in, move person into fresh air. If not breathing, give artificial respiration.
Ingestion: Never give anything by mouth to an unconcious person. Rinse mouth with water.

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

Chronic Effects: Not known to produce any long-term effects from continuing exposure.

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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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 limit(s)

Section 8 - EXPOSURE CONTROL / PERSONAL PROTECTION

8.1 Control parameters

OSHA PEL	NIOSH REL	ACGIH TLV
PEL-TWA: 15 mg/m^3 Total Dust / 5 mg/m^3 Respirable Dust	REL-TWA: 10 mg/m^3	TLV-TWA: 10 mg/m^3 Total Dust

8.2 Exposure controls

Normal Handling Conditions

Engineering Controls: 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		
Odor Threshold:	No Data Available		
pH:	No Data Available		
Melting / Freezing Point (Specify):	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	Kst: No Data Available
Vapor Pressure:	No Data Available		
Vapor Density:	No Data Available		
Relative Density:	No Data Available		
Solubility(ies):	Partially soluble in water		
Partition Coefficient (n-octanol/water):	No Data Available		
Auto-ignition Temperature:	No Data Available		
Decomposition	No Data Available		
Oxidizing Properties:	No Data Available		
Viscosity:	No Data Available		

Section 10 - STABILITY and REACTIVITY

10.1 Reactivity: The following applies in general to flammable organic substances and mixtures: in correspondingly fine distribution, when whirled up a dust explosion potential may generally be assumed.
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

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

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.

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:

⚠ **WARNING:** This product may contain certain naturally occurring chemicals known to the State of California to cause cancer or reproductive toxicity under California's Safet Drinking Water and Toxic Enforcement Act (Proposition 65) For more information go to www.P65Warnings.ca.gov.

Section 16 - OTHER INFORMATION

Product Number(s):

Prepared By: Gusmer Enterprises, Inc.

Name of Preparer: Eric Anderson
Title: Director of Safety & Product Compliance
Date: 11/11/2025

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GHS Hazard Warning Label

MicroElements Brewing Nutrient - 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
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Not intended for retail sale or use by individual consumers.
V1.0