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SAFETY DATA SHEET

Issue Date: 7 October 2015

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Version 1

1. PRODUCT AND COMPANY IDENTIFICATION

Product Identifier

Product Name: **BIO ZYME**

Product Description: **ENZYME BASED ODOR COUNTERACTANT**

Other Means of Identification

Product # 023D, 023E
Synonyms None

Details of the Supplier of the Safety Data Sheet

Company Name CHEMCO INDUSTRIES, INC.
5731 Manchester Avenue
St. Louis, MO 63110
www.chemcoindustries.com
314-647-1888
1-800-854-4236 (to Reorder)

Emergency Telephone Number

Emergency Telephone INFOTRAC 1-800-535-5053

2. HAZARDS IDENTIFICATION

Classification (GHS-US)

Not classified

GHS-US Labeling

No labeling applicable.

Other hazards: No additional information available

Unknown acute toxicity (GHS-US): Not applicable

3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance: Not applicable

Mixture: Not applicable

4. FIRST AID MEASURES

Description of first aid measures:

First-aid measures general: If you feel unwell, seek medical advice (show the label where possible).
First-aid measures after inhalation: Remove victim into fresh air.
First-aid measures after skin contact: Rinse skin with water/shower.
First-aid measures after eye contact: Rinse immediately with plenty of water. Remove contact lenses, if present and easy to do. Continue rinsing.
First-aid measures after ingestion: Rinse mouth with water. Do NOT induce vomiting.

Most important symptoms and effects, both acute and delayed:

Symptoms/injuries: Not expected to present a significant hazard under anticipated conditions of normal use.
Symptoms/injuries after inhalation: None under normal use.
Symptoms/injuries after skin contact: Contact during a long period may cause light irritation.
Symptoms/injuries after eye contact: May cause slight irritation.

Symptoms/injuries after ingestion: Gastrointestinal complaints.

Indication of any immediate medical attention and special treatment needed:

No additional information available.

5. FIRE-FIGHTING MEASURES

Extinguishing media:

Suitable extinguishing media: All extinguishing media allowed.

Special hazards arising from the substance or mixture:

Reactivity: Upon combustion: CO and CO₂ are formed.

Advice for firefighters:

Firefighting instructions: Exercise caution when fighting any chemical fire. Use water spray or fog for cooling exposed containers. Take account of environmentally hazardous firefighting water.

Protection during firefighting: Do not enter fire area without proper protective equipment, including respiratory protection.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures:

General measures: Isolate from fire, if possible, without unnecessary risk.

For non-emergency personnel:

Protective equipment: Protective goggles. Gloves. Protective clothing.

Emergency procedures: Evacuate unnecessary personnel. Avoid contact with skin, eyes, and clothing. Ventilate spillage area.

For emergency responders:

Protective equipment: Equip cleanup crew with proper protection.

Emergency procedures: Stop leak if safe to do so. Stop release. Ventilate area.

Environmental precautions:

Avoid release to the environment. Prevent entry to sewers and public waters.

Methods and material for containment and clean up:

For containment: Contain released substance, pump into suitable containers.

Methods for cleaning up: This material and its container must be disposed of in a safe way, and as per local legislation.

Reference to other sections:

No additional information available.

7. HANDLING AND STORAGE

Precautions for safe handling:

Precautions for safe handling: Comply with the legal requirements. Do not handle until all safety precautions have been read and understood. Use personal protective equipment as required. Do not eat, drink or smoke when using this product. Do not get in eyes, on skin, or on clothing.

Hygiene measures: Wash thoroughly after handling. Wash contaminated clothing before reuse.

Conditions for safe storage, including any incompatibilities:

Technical measures: Comply with applicable regulations.

Storage conditions: Keep container closed when not in use.

Storage area: Meet the legal requirements. Store in a cool area. Store in a well-ventilated place.

Special rules on packaging: Meet the legal requirements.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters:

No additional information available.

Exposure controls:

Personal protective equipment: Safety glasses. Use appropriate personal protective equipment when risk assessment indicates this is necessary.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties:

Physical state	Liquid
Appearance	Milky white liquid
Odor	Pleasant scent
Odor threshold	No data available
pH	6.5 - 7.5
Melting point	No data available
Freezing point	No data available
Boiling point	No data available
Flash point	> 200 F
Relative evaporation rate (butyl acetate=1)	No data available
Flammability (solid, gas)	No data available
Explosion limits	No data available
Explosive properties	No data available
Oxidizing properties	No data available
Vapor pressure	No data available
Relative density	No data available
Relative vapor density at 20 C	No data available
Specific gravity/density	1.01 g/ml
Solubility	Soluble in water
Log Pow	No data available
Log Kow	No data available
Auto-ignition temperature	No data available
Decomposition temperature	No data available
Viscosity	No data available
Viscosity, kinematic	No data available
Viscosity, dynamic	No data available
VOC content	< 0.5%

10. STABILITY AND REACTIVITY

Reactivity:

Upon combustion: CO and CO₂ are formed.

Chemical stability:

No additional information available.

Possibility of hazardous reactions:

Upon combustion: CO and CO₂ are formed.

Conditions to avoid:

No additional information available.

Incompatible materials:

No additional information available.

Hazardous decomposition products:

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

11. TOXICOLOGICAL INFORMATION

Information on toxicological effects:

Acute toxicity:	Not classified
Skin corrosion/irritation:	Not classified
	pH: 6.5 - 7.5
Serious eye damage irritation:	Not classified.
	pH: 6.5 - 7.5

Respiratory or skin sensitization:	Not classified
Germ cell mutagenicity:	Not classified.
Carcinogenicity:	Not classified
Reproductive toxicity:	Not classified
Specific target organ toxicity (single exposure):	Not classified
Specific target organ toxicity (repeated exposure):	Not classified
Aspiration hazard:	Not classified
Symptoms/injuries after inhalation:	None under normal use.
Symptoms/injuries after skin contact:	Contact during a long period may cause light irritation.
Symptoms/injuries after eye contact:	May cause slight irritation
Symptoms/injuries after ingestion:	Gastrointestinal complaints.

12. ECOLOGICAL INFORMATION

Toxicity:

No additional information available.

Persistence and degradability:

No additional information available.

Bioaccumulative potential:

No additional information available.

13. DISPOSAL CONSIDERATIONS

Waste treatment methods:

Waste disposal recommendations: Dispose in a safe manner in accordance with local/national regulations.

14. TRANSPORT INFORMATION

Department of Transportation (DOT)

In accordance with DOT : Not regulated for transport

Additional information:

Other information: No supplementary information available.

ADR:

No additional information available.

Transport by sea:

No additional information available.

Air Transport:

No additional information available.

15. REGULATORY INFORMATION

All components of this product are listed, or excluded from listing, on the United States Environmental Protection Agency Toxic Substances Control Act (TSCA) inventory

This product or mixture does not contain a toxic chemical or chemicals in excess of the applicable de minimis concentration as specified in 40 CFR 372.38(a) subject to the reporting requirements of section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372.

California Proposition 65 - This product contains, or may contain, trace quantities of a substance(s) known to the State of California to cause cancer and /or reproductive toxicity.

16. OTHER INFORMATION

Training advice: Normal use of this product shall imply use in accordance with the instructions on the packaging.

NFPA health hazard:	1 - Exposure could cause irritation but only minor residual injury even if no treatment is given.
NFPA fire hazard:	0 - Materials that will not burn.
NFPA reactivity:	0 - Normally stable, even under fire exposure conditions, and are not reactive with water.

Disclaimer

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product. No warranty is expressed or implied regarding the accuracy of this data or the results obtained from the use thereof. Our company assumes no responsibility for personal injury or property damage to the vendee, users or third parties caused by the material. Such vendee or users assume all risks associated with the use of this material.