



Serving Our Customers Since 1975

SAFETY DATA SHEET

Issue Date: 15 October 2015

Revision Date: 15 October 2015

Version 1

1. PRODUCT AND COMPANY IDENTIFICATION

Product Identifier

Product Name:

CHEMCO ZYME L

Product Description:

ENZYME PRODUCING FORMULATION

Other Means of Identification

Product #

048, 048B

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

Appearance: Liquid of various colors

Physical State: Liquid

Odor: Various: See Sect. 16

Classification:

This chemical does not meet the hazardous criteria set forth by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200). However, this Safety Data Sheet (SDS) contains valuable information critical to the safe handling and proper use of this product. This SDS should be retained and available for employees and other users of this product.

Unknown Acute Toxicity

7.6% of the mixture consists of ingredient(s) of unknown toxicity

3. COMPOSITION/INFORMATION ON INGREDIENTS

This product contains no substances which, at their given concentration, are considered to be hazardous to health.

4. FIRST AID MEASURES

First Aid Measures

Eye Contact: Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Seek immediate medical attention/advice.

Skin Contact: Wash with soap and water. Seek medical attention if irritation develops.

Inhalation: Remove to fresh air. If not breathing, give artificial respiration. Get medical attention if irritation occurs.

Ingestion: Do not induce vomiting. Call a physician or poison control center immediately.

Most important symptoms and effects

Symptoms: May cause skin and eye irritation. Inhalation may cause irritation to nasal passages. Ingestion of large quantities (more than a few ounces) may cause upset stomach, diarrhea, nausea, and vomiting.

Indication of any immediate medical attention and special treatment needed

Notes to Physician: Treat symptomatically.

5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media

Dry chemical. Foam. Carbon dioxide (CO₂). Water.

Unsuitable Extinguishing Media: Not determined

Specific Hazards Arising from the Chemical

Combustion products may be toxic

Hazardous Combustion Products: Nitrogen oxides (NO_x). Ammoniacal vapors.

Protective equipment and precautions for firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Personal Precautions: Use personal protective equipment as required. Spills may be slippery.

Methods and material for containment and cleanup

Methods for Containment: Prevent further leakage or spillage if safe to do so.

Methods for Clean-Up: This product is biodegradable. Dilute and wash remaining with water and dispose of in accordance with federal state, and local regulations.

7. HANDLING AND STORAGE

Precautions for safe handling

Advice on Safe Handling: Handle in accordance with good industrial hygiene and safety practice.

Conditions for safe storage, including any incompatibilities

Storage Conditions: Keep containers tightly closed in a dry, cool and well-ventilated place. Keep in properly labeled containers. Protect from freezing. Keep out of the reach of children.

Incompatible Materials: Oxidizers such as bleach.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Guidelines

No exposure limits noted for ingredient(s).

Appropriate engineering controls

Engineering Controls: Ensure adequate ventilation, especially in confined areas.

Individual protection measures, such as personal protective equipment

Eye/Face Protection: Safety glasses.

Skin and Body Protection: Chemical resistant protective gloves.

Respiratory Protection: No protective equipment is needed under normal use conditions.

General Hygiene Considerations: Handle in accordance with good industrial hygiene and safety practice.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Physical State	Liquid
Appearance	Liquid of various colors
Color	Various: See Sect. 16
Odor	Various: See Sect. 16
Odor Threshold	Not determined

<u>Property</u>	<u>Values</u>	<u>Remarks - Method</u>
pH	7-8	
Melting Point/Freezing Point	Not determined	
Boiling Point/Boiling Range	100 C / 212 F	
Flash Point	None	
Evaporation Rate	1	(Water=1)
Flammability (Solid, Gas)	n/a-liquid	
Upper Flammability Limits	Not determined	
Lower Flammability Limits	Not determined	

Vapor Pressure	17.5 mm Hg	
Vapor Density	Not determined	
Specific Gravity	0.990	(Water=1)
Water Solubility	Soluble in water	
Solubility in other solvents	Not determined	
Partition Coefficient	Not determined	
Auto-ignition Temperature	Not determined	
Decomposition Temperature	Not determined	
Kinematic Viscosity	Not determined	
Dynamic Viscosity	Not determined	
Explosive Properties	Not determined	
Oxidizing Properties	Not determined	
VOC Content	None	

10. STABILITY AND REACTIVITY

Reactivity

Not reactive under normal conditions.

Chemical Stability

Stable under recommended storage conditions.

Possibility of Hazardous Reaction

None under normal processing. Hazardous polymerization does not occur.

Conditions to Avoid

Keep out of reach of children

Incompatible Materials

Oxidizers such as bleach

Hazardous Decomposition Products

Nitrogen oxides (NO_x). Ammoniacal vapors.

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Product Information

Eye Contact	Avoid contact with eyes.
Skin Contact	Avoid contact with skin.
Inhalation	Avoid breathing vapors or mists.
Ingestion	Do not taste or swallow.

Component Information

Information on physical, chemical and toxicological effects

Symptoms Please see section 4 of this SDS for symptoms.

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Carcinogenicity This product does not contain any carcinogens or potential carcinogens as listed by OSHA, IARC, or NTP.

Numerical measures of toxicity

Not determined

Unknown Acute Toxicity: 7.6% of the mixture consists of ingredient(s) of unknown toxicity.

12. ECOLOGICAL INFORMATION

Ecotoxicity

Not determined

Persistence/Degradability

Not determined

Bioaccumulation

Not determined

Mobility

Not determined

Other Adverse Effects

Not determined

13. DISPOSAL CONSIDERATIONS

Waste Treatment Methods

Disposal of Wastes Disposal should be in accordance with applicable regional, national, and local laws and regulations.

Contaminated Packaging Disposal should be in accordance with applicable regional, national and local laws and regulations.

14. TRANSPORT INFORMATION

DOT Not regulated.

IATA Not regulated.

IMDG Not regulated.

15. REGULATORY INFORMATION

International Inventories

TSCA Listed

Legend: TSCA - United States Toxic Substances Control Act Section 8(b) Inventory

US Federal Regulations

SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

US State Regulations

California Proposition 65

This product does not contain a chemical known to the State of California to cause cancer, birth defects or other reproductive harm.

US State Right-to-Know Regulations

Not determined.

16. OTHER INFORMATION

Additional Product Information: Color/Scent: Light green liquid/Strong Cimarron (cinnamon-like) scent; Dark orange liquid/Fresh sunshine(botanical) scent; Slight green to colorless liquid/ Newberry scent; Light green liquid/ Unscented.

<u>NFPA</u>	Health Hazards Not determined	Flammability Not determined	Instability Not determined	Special Hazards Not determined
<u>HMIS</u>	Health Hazards 0	Flammability 0	Physical Hazards 0	Personal Protection B

Disclaimer

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as guidance for safe handling, use, processing, storage, transportation, disposal, and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.