



THATCHzyme™ Safety Data Sheet

Powered by Colorado Biofactory

Prepared According to OSHA 1910.1200 App

revision date: 3/11/2025

SECTION 1: Identification of the substance and company

1a. Product identification:

THATCHzyme™

1b. Alternative identification:

Water Soluble Mushroom Enzyme Extract, organic digestion cocktail and Lignin modifying enzymes (Including peroxidases, phenoloxidases and laccases).

1c. Recommended uses:

THATCHzyme™ spray contains concentrated water soluble enzymes to aid in the decomposition of organic matter in turf thatch.

1d. Supplier Details

Company Colorado Biofactory
310 S. 25th Street
Colorado Springs, CO 80904

Telephone (719) 309-6448

E-mail address of Person responsible for this SDS safety@coloradobiofactory.com

SECTION 2: Hazards identification

2a. GHS classification (29 CFR 1910)

This product contains no known hazardous mixtures.

2b. OSHA Classification

Contains no hazardous components/ingredients under OSHA definition

2c. Hazard statements

[H303] May be harmful if swallowed

[H333] May be harmful if inhaled

2d. Hazards not otherwise classified

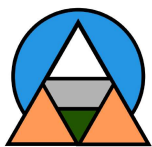
None Known

SECTION 3: Composition/information on ingredients

3.1 Substances

Composition Water Soluble Mushroom Enzyme Extract, Organic digestion cocktail containing laccase

CAS-No. 80498-15-3



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SECTION 4: First aid measures

4.1 Descriptions of first-aid measures

Inhalation

Symptoms: None Known

If inhaled, remove to fresh air. If breathing is difficult or other symptoms occur, seek medical attention immediately.

Skin Contact

Symptoms: None Known

In case of contact with skin, wash thoroughly with soap and water. Wash from cuts or abrasions with soap and water. Remove contaminated clothing and shoes and wash before subsequent use. See medical attention if symptoms arise.

Eye Contact

Symptoms: None Known

In case of contact with eyes, rinse immediately with large quantities of water and seek medical attention if symptoms arise.

Ingestion

Symptoms: None Known

If swallowed, Do NOT induce vomiting unless directed to do so by a medical personnel. If large quantities are ingested, call a physician immediately.

4.2 Most important symptoms/effects, acute and delayed

No data available

4.3 Specific treatments

In case of an accident or if you feel unwell, see medical advice immediately.

SECTION 5: Firefighting measures

5.1 Extinguishing Media

Use water spray, alcohol-resistant foam, dry chemical and/or carbon dioxide.

5.2 Special Fire Fighting Procedures

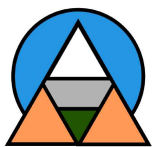
No data available

5.3 Unusual Fire and Explosion Hazards

Not flammable.

SECTION 6: Accidental release measures

6.1 Personal Precautions



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Use personal protective equipment when spraying large quantities whenever possible. Ensure adequate ventilation and as conditions warrant, wear a NOISH approved self-contained breathing apparatus, or respirator and appropriate personal protection (safety goggles and rubberized gloves).

6.2 Environmental Precautions

Not classified as an environmental hazard.

6.3 Methods for Cleaning Up

Product is completely derived from organic material and is rapidly biodegradable in nature. No special containment is necessary.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Handle in accordance with good industrial hygiene and safety practices.

7.2 Storage

Store in a cool, dry place out of direct sunlight. Keep the container tightly closed. Protect material from extreme temperatures.

SECTION 8: Exposure controls/personal protection

8.1 Engineering Controls:

Running water should be available in case materials get in eyes.

8.2 Personal Protective equipment

Eye protection: Wear goggles or safety glasses.

Hand protection: Wear latex or vinyl gloves.

Respiratory protection: Required when vapors/aerosols are generated in an inclosed area.

Ventilation: Use outside and/or well ventilated indoor green houses.

Other protective equipment: Use a lab coat or apron to prevent contact with eyes, skin and clothing.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance:	Gold brown liquid
Odor:	No data available
Odor Threshold:	No data available
pH:	4-5



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Freezing point:	0 °C
Initial boiling point and boiling range:	100 °C
Flash point:	No data available
Evaporation rate:	No data available
Flammability (solid, gas):	Not flammable
Vapour pressure:	No data available
Vapour density:	No data available
Relative density:	No data available
Water solubility:	Not applicable
Auto-ignition temperature:	No data available
Decomposition temperature:	No data available

SECTION 10: Stability and Reactivity

10.1 Reactivity

Non-reactive under recommended storage conditions. Will degrade lignin rich materials over long time scales when incubated for extended periods of time.

10.2 Chemical stability

The product is stable under recommended storage conditions.

10.3 Conditions to avoid

None

10.4 Incompatible materials

None known

10.5 Hazardous decomposition products

Other decomposition products - no data available

SECTION 11: Toxicological information

Quantitative data on the toxicity of this product is not available. No toxic effects are to be expected when the product is handled as described in the Safety Data Sheet and the product label. Symptoms may arise if the product is mishandled and over exposure occurs. Likely routes of excess exposure include eyes, ingestion, skin and inhalation.

SECTION 12: Ecological Information

12.1 Toxicity

No data available

12.2 Persistence and degradability

No data available

12.3 Bioaccumulative potential

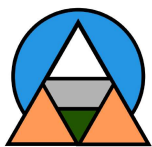
No data available

12.4 Mobility in soil

No data available

12.5 Results of PBT and vPvB assessment

No data available



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12.6 Other adverse effects

No data available

SECTION 13: Disposal considerations

Waste material resulting from the use of this product may be disposed of on-site, agriculturally, or at an approved waste disposal facility. Recycle if possible. Reclaim waste where possible. Abide by local and state waste disposal regulations.

SECTION 14: Transport Information

Not subject to transport regulations.

DOT (US) Not dangerous goods

IMDG Not dangerous goods

IATA Not dangerous goods

SECTION 15: Regulatory information

See individual state information regarding fertilizer regulations.

SECTION 16: Other information

Date prepared: September 3, 2024

Version: 1.0

Revision Date: None