



# SAFETY DATA SHEET

This safety data sheet was created pursuant to the requirements of:  
OSHA 29 CFR 1910.1200

**Document Type** US - OSHA GHS **Date of Issue:** September 01, 2023 **Version** 1

## 1. Identification

### Product identifier

**Product name** PR1MA™ β - Agarase

### Other means of identification

**Product No** PR-BAG

**Synonyms** None

### Recommended use of the chemical and restrictions on use

**Recommended use** This product is for research and development only

**Restrictions on use** No information available

### Details of the supplier of the safety data sheet

#### Supplier Address

MIDSCI™  
115 Cassens Court,  
Fenton MO, 63026,  
United States

#### Emergency telephone number

**Company Phone Number** 800-227-9997

**E-mail address** tech@midsci.com

**24 Hour Emergency Phone Number:** 608-444-9518

**Product name** PR1MA™ β - Agarase  
**Product No** PR-BAG  
**Document Type** US - OSHA GHS **Date of issue:** 01-September-2023

## 2. Hazard(s) identification

### Classification

This chemical is not considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

### Hazards not otherwise classified (HNOC)

Not applicable

### Label elements

### Hazard statements

This chemical is not considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)  
The product contains no substances which at their given concentration, are considered to be hazardous to health.  
Appearance Colorless. Physical state Liquid Odor Mild

### Other information

No information available.  
Composition/information on ingredients

## 3. Substance

Not applicable.

### Mixture

## 4. First-aid measures

### Description of first aid measures

**Inhalation** Remove to fresh air.

**Eye contact** Rinse thoroughly with plenty of water for at least 15 minutes, lifting lower and upper eyelids.  
Consult a physician.

**Skin contact:** Wash skin with soap and water.

**Ingestion** Rinse mouth.

### Most important symptoms and effects, both acute and delayed

**Symptoms:** No information available.

### Indication of any immediate medical attention and special treatment needed

**Note to physicians** Treat symptomatically.

## 5. Fire-fighting measures

**Suitable Extinguishing Media** Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

**Large Fire CAUTION:** Use of water spray when fighting fire may be inefficient.

**Unsuitable extinguishing media**

Do not scatter spilled material with high pressure water streams. No information available.

**Specific hazards arising from the chemical**

**Explosion data**

**Sensitivity to mechanical impact** None.

**Sensitivity to static discharge** None.

**Precautions for fire-fighters**

Firefighters should wear self-contained breathing apparatus and full firefighting turnout

**Special protective equipment and gear:** Use personal protection equipment.

## 6. Accidental release measures

**Personal precautions, protective equipment and emergency procedures**

**Personal precautions** Ensure adequate ventilation.

**Methods and material for containment and cleaning up**

**Methods for containment** Prevent further leakage or spillage if safe to do so.

**Methods for cleaning up** Pick up and transfer to properly labeled containers

## 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 and well-ventilated place.

## 8. Exposure controls/personal protection

**Control parameters**

**Individual protection measures, such as personal protective equipment**

**Eye/face protection** No special protective equipment required.

**Skin and body protection** No special protective equipment required.

**Respiratory protection** No protective equipment is needed under normal use conditions. If exposure limits are exceeded or irritation experienced, ventilation and evacuation may be required.

**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** Colorless

**Color** No information available

**Odor** Mild

**Odor threshold** No information available

### Property Values Remarks • Method

**pH** No data available None known

**Melting point / freezing point** No data available None known

**Initial boiling point and boiling range** No data available None known

**Flash point** No data available None known

**Evaporation rate** No data available None known

**Flammability (solid, gas)** No data available None known

**Flammability Limit in Air** None known. No data available

**Upper flammability or explosive limits** No data available

**Lower flammability or explosive limits** No data available

**Vapor pressure** No data available None known

**Vapor density** No data available None known

**Relative density** No data available None known

**Water solubility** No data available None known

**Solubility(ies)** No data available None known

**Partition coefficient** No data available None known

**Autoignition temperature** 392.8 °C / 739 °F

**Decomposition temperature** None known

**Kinematic viscosity** No data available None known

**Dynamic viscosity** No data available

**Molecular weight** No information available

**VOC Content (%)** No information available

**Liquid Density** No information available

**Bulk density** No information available

## 10. Stability and reactivity

**Reactivity** No information available.

**Chemical stability** Stable under normal conditions.

**Possibility of hazardous reactions** None under normal processing.

**Conditions to avoid** None known based on information supplied.

**Incompatible materials** None known based on information supplied.

**Hazardous decomposition products** None known based on information supplied.

## 11. Toxicological information

### Acute toxicity

#### **Numerical measures of toxicity:**

The following values are calculated based on Chapter 3.1 of the GHS document.

Compo ATE mix (oral) 25,200.00 mg/kg information

**Inhalation** Specific test data for the substance or mixture is not available. **Eye contact** Specific test data for the substance or mixture is not available. **Skin contact** Specific test data for the substance or mixture is not available.

**Ingestion** Specific test data for the substance or mixture is not available.

### Symptoms related to the physical, chemical and toxicological characteristics

**Symptoms** No information

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

**Skin corrosion/irritation** No information available.

**Serious eye damage/eye irritation** No information available.

**Respiratory or skin sensitization** No information available.

**Germ cell mutagenicity** No information available.

**Carcinogenicity** No information available.

**Reproductive toxicity** No information available.

**STOT - single exposure** No information available.

**STOT - repeated exposure** No information available.

**Aspiration hazard** No information available.

**Other adverse effects** No information available.

**Interactive effects** No information available.

## 12. Ecological information

### **Ecotoxicity**

**Persistence and degradability** No information available.

### **Component Information**

### **Bioaccumulation**

**Other adverse effects** No information available.

## 13. Disposal considerations

### Waste treatment methods

Dispose of in accordance with local regulations.

### **Waste from residues/unused products**

Dispose of waste in accordance with environmental legislation.

**Contaminated packaging** Do not reuse empty containers.

## 14. Transport information

DOT Not regulated

TDG Not regulated

MEX Not regulated

ICAO (air) Not regulated

IATA Not regulated

IMDG Not regulated

RID Not regulated

ADR Not regulated

ADN Not regulated

## 15. Regulatory information

### International Inventories

**TSCA** Contact supplier for inventory compliance status.

**DSL/NDL** Contact supplier for inventory compliance status. **EINECS/ELINCS** Contact supplier for inventory compliance status. **ENCS** Contact supplier for inventory compliance status. **IECSC** Contact supplier for inventory compliance status. **KECL** Contact supplier for inventory compliance status. **PICCS** Contact supplier for inventory compliance status. **AIIC** Contact supplier for inventory compliance status. **NZIoC** Contact supplier for inventory compliance status.

## Legend:

**TSCA** - United States Toxic Substances Control Act Section 8(b) Inventory  
**DSL/NDL** - Canadian Domestic Substances List/Non-Domestic Substances List  
**EINECS/ELINCS** - European Inventory of Existing and Notified Chemical Substances  
**ENCS** - Japan Existing and New Chemical Substances  
**IECSC** - China Inventory of Existing Chemical Substances  
**KECL** - Korean Existing and Evaluated Chemical Substances  
**PICCS** - Philippines Inventory of Chemicals and Chemical Substances  
**AICS** - Australian Inventory of Chemical Substances  
**NZIoC** - New Zealand Inventory of Chemicals

## 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.

### SARA 311/312 Hazard Categories

Should this product meet EPCRA 311/312 Tier reporting criteria at 40 CFR 370, refer to Section 2 of this SDS for appropriate classifications.

### CWA (Clean Water Act)

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.21 and 40 CFR 122.42).

### CERCLA

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material.

## US State Regulations

### California Proposition 65

This product does not contain any Proposition 65 chemicals.

### U.S. State Right-to-Know Regulations

This product does not contain any substances regulated under applicable state right-to-know regulations

### U.S. EPA Label Information

EPA Pesticide Registration Number Not applicable

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## 16. Other information

**NFPA** Health hazards 0 Flammability 1 Instability 0 Special hazards - **HMIS** Health hazards 0 Flammability 1 Physical hazards 0 Personal protection X

### Key or legend to abbreviations and acronyms used in the safety data sheet

#### **Legend Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION**

TWA TWA (time-weighted average) STEL STEL (Short Term Exposure Limit)

Ceiling Maximum limit value \* Skin designation

#### **Key literature references and sources for data used to compile the SDS**

Agency for Toxic Substances and Disease Registry (ATSDR)

U.S. Environmental Protection Agency ChemView Database

European Food Safety Authority (EFSA)

EPA (Environmental Protection Agency)

Acute Exposure Guideline Level(s) (AEGl(s))

U.S. Environmental Protection Agency Federal Insecticide, Fungicide, and Rodenticide

Act U.S. Environmental Protection Agency High Production Volume Chemicals

Food Research Journal

Hazardous Substance Database

International Uniform Chemical Information Database (IUCLID)

National Institute of Technology and Evaluation (NITE)

Australia National Industrial Chemicals Notification and Assessment Scheme (NICNAS)

NIOSH (National Institute for Occupational Safety and Health)

National Library of Medicine's ChemIDPlus (NLM CIP)

National Library of Medicine's PubMed database (NLM PUBMED)

National Toxicology Program (NTP)

New Zealand's Chemical Classification and Information Database (CCID)

Organization for Economic Co-operation and Development Environment, Health, and Safety Publications

Organization for Economic Co-operation and Development High Production Volume Chemicals Program

Organization for Economic Co-operation and Development

**Screening Information Data Set World Health Organization**

**Prepared by** Environmental, Health and Safety

(608) 824-0160

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**Revision note** SDS is valid 3 years from revision date. Contact [info@varizymes.com](mailto:info@varizymes.com) for the latest revision.

#### Disclaimer

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**End of Safety Data Sheet**

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