# Safety Data Sheet

acc. to OSHA, Appendix D to § 1910.1200

## BioZyme

Version number: GHS 10.0
Replaces version of: 2015-05-22 (GHS 9)

Date of compilation: 2015-05-26

## SECTION 1: Identification of the substance/mixture and of the company/undertaking

### 1.1 Product identifier

Trade name **BioZyme**

### 1.2 Relevant identified uses of the substance or mixture and uses advised against

Relevant identified uses enzyme based cleaner

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

MVP Distributing
2854 S Featherly Way
Boise, ID 83709
208-859-6000

Competent person responsible for the SDS Robert Blahnik

### 1.4 Emergency telephone number

Emergency information service **USA 1.800.535.5053, INTL 1.352.323.3500**
24 hour emergency telephone number.

## SECTION 2: Hazards identification

### 2.1 Classification of the substance or mixture

**Classification acc. to OSHA "Hazard Communication Standard" (29 CFR 1910.1200)**

This mixture does not meet the criteria for classification in accordance with Regulation No 1272/2008/EC.

### 2.2 Label elements

**Labelling acc. to OSHA "Hazard Communication Standard" (29 CFR 1910.1200)**

not required

### 2.3 Other hazards

There is no additional information.

## SECTION 3: Composition/information on ingredients

### 3.1 Substances

not relevant (mixture)

### 3.2 Mixtures

**Description of the mixture**

## SECTION 4: First aid measures

### 4.1 Description of first aid measures

#### General notes

Do not leave affected person unattended. Remove victim out of the danger area. Keep affected person warm, still and covered. Take off immediately all contaminated clothing. In all cases of doubt, or when symptoms persist, seek medical advice. In case of unconsciousness place person in the recovery position. Never give anything by mouth.

#### Following inhalation

Provide fresh air.

#### Following skin contact

After contact with skin, take off immediately all contaminated clothing, and wash immediately with plenty of water.

#### Following eye contact

Irrigate copiously with clean, fresh water, holding the eyelids apart. Remove contact lenses, if present and easy to do. Continue rinsing.

#### Following ingestion

Rinse mouth with water (only if the person is conscious). Do NOT induce vomiting.

## SECTION 5: Firefighting measures

### 5.1 Extinguishing media

#### Suitable extinguishing media

water spray, alcohol resistant foam, BC-powder, carbon dioxide (CO2)

#### Unsuitable extinguishing media

water jet

### 5.2 Special hazards arising from the substance or mixture

Explosive when mixed with combustible material.

#### Hazardous combustion products

nitrogen oxides (NOx), carbon monoxide (CO), carbon dioxide (CO2)

### 5.3 Advice for firefighters

In case of fire and/or explosion do not breathe fumes. Co-ordinate firefighting measures to the fire surroundings. Do not allow firefighting water to enter drains or water courses. Collect contaminated firefighting water separately. Fight fire with normal precautions from a reasonable distance.

## SECTION 6: Accidental release measures

### 6.1 Personal precautions, protective equipment and emergency procedures

**For non-emergency personnel**

Remove persons to safety.

**For emergency responders**

Wear breathing apparatus if exposed to vapors/dust/aerosols/gases.

### 6.2 Environmental precautions

Keep away from drains, surface and ground water. Retain contaminated washing water and dispose it.

### 6.3 Methods and material for containment and cleaning up

**Advices on how to contain a spill**

Covering of drains.

**Advices on how to clean up a spill**

Wipe up with absorbent material (e.g. cloth, fleece). Collect spillage (sawdust, kieselgur (diatomite), sand, universal binder).

**Appropriate containment techniques**

Use of adsorbent materials.

**Other information relating to spills and releases**

Place in appropriate containers for disposal. Ventilate affected area.

**Reference to other sections**

Hazardous combustion products: see section 5. Personal precautions: see section 8. Incompatible materials: see section 10. Disposal considerations: see section 13.

## SECTION 7: Handling and storage

### 7.1 Precautions for safe handling

**Recommendations**

**Measures to prevent fire as well as aerosol and dust generation**

Use local and general ventilation. Use only in well-ventilated areas.

**Advice on general occupational hygiene**

Wash hands after use. Do not to eat, drink and smoke in work areas. Remove contaminated clothing and protective equipment before entering eating areas. Never keep food or drink in the vicinity of chemicals. Never place chemicals in containers that are normally used for food or drink. Keep away from food, drink and animal feedingstuffs.

### 7.2 Conditions for safe storage, including any incompatibilities

**Managing of associated risks**

**Incompatible substances or mixtures**

Observe compatible storage of chemicals.

**Control of the effects**

**Protect against external exposure, such as**

frost

### 7.3 Specific end use(s)

See section 16 for a general overview.

## SECTION 8: Exposure controls/personal protection

### 8.1 Control parameters

**National limit values**

**Occupational exposure limit values (Workplace Exposure Limits)**

**Relevant DNELs/DMELs/PNECs and other threshold levels**

No data available.

### 8.2 Exposure controls

**Appropriate engineering controls**

General ventilation.

**Individual protection measures (personal protective equipment)**

**Eye/face protection**

Wear eye/face protection.

**Skin protection**

**• hand protection**

Wear suitable gloves. Chemical protection gloves are suitable, which are tested according to EN 374. Check leak-tightness/impermeability prior to use. In the case of wanting to use the gloves again, clean them before taking off and air them well. For special purposes, it is recommended to check the resistance to chemicals of the protective gloves mentioned above together with the supplier of these gloves.

**• other protection measures**

Take recovery periods for skin regeneration. Preventive skin protection (barrier creams/ointments) is recommended. Wash hands thoroughly after handling.

**Respiratory protection**

In case of inadequate ventilation wear respiratory protection.

**Environmental exposure controls**

Use appropriate container to avoid environmental contamination. Keep away from drains, surface and ground water.

## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

**Appearance**

| | |
|---|---|
| Physical state | liquid |
| Color | white |
| Odor | fresh |

**Other physical and chemical parameters**

| | |
|---|---|
| pH (value) | 6 - 8 at 25 °C |
| Melting point/freezing point | not determined |
| Initial boiling point and boiling range | 100 °C |
| Flash point | not determined (closed cup) |
| Evaporation rate | not determined |
| Flammability (solid, gas) | not relevant (fluid) |
| Explosive limits | not determined |
| Vapor pressure | 31.69 hPa at 25 °C |
| Density | 0.99 - 1.01 $^{g}/_{cm^3}$ |
| Solubility(ies) | |
| Water solubility | miscible in any proportion |
| Partition coefficient | |
| n-octanol/water (log KOW) | This information is not available. |
| Auto-ignition temperature | not determined |
| Viscosity | not determined |
| Explosive properties | none |
| Oxidizing properties | none |

## SECTION 10: Stability and reactivity

### 10.1 Reactivity

Concerning incompatibility: see below "Conditions to avoid" and "Incompatible materials".

### 10.2 Chemical stability

See below "Conditions to avoid".

### 10.3 Possibility of hazardous reactions

No known hazardous reactions.

### 10.4 Conditions to avoid

There are no specific conditions known which have to be avoided.

**Physical stresses which might result in a hazardous situation and have to be avoided**

strong shocks

### 10.5 Incompatible materials

There is no additional information.

**Hazardous decomposition products**

Reasonably anticipated hazardous decomposition products produced as a result of use, storage, spill and heating are not known. Hazardous combustion products: see section 5.

## SECTION 11: Toxicological information

### 11.1 Information on toxicological effects

Test data are not available for the complete mixture.

**Classification procedure**

The method for classification of the mixture is based on ingredients of the mixture (additivity formula).

**Classification acc. to OSHA "Hazard Communication Standard" (29 CFR 1910.1200)**

not relevant

**Acute toxicity**

Shall not be classified as acutely toxic.

**Skin corrosion/irritation**

Shall not be classified as corrosive/irritant to skin.

**Respiratory or skin sensitization**

Shall not be classified as a respiratory or skin sensitizer.

**Summary of evaluation of the CMR properties**

Shall not be classified as germ cell mutagenic, carcinogenic nor as a reproductive toxicant.

**Carcinogenicity**

- National Toxicology Program (United States): none of the ingredients are listed
- IARC Monographs none of the ingredients are listed

**Specific target organ toxicity (STOT)**

Shall not be classified as a specific target organ toxicant.

**Aspiration hazard**

Shall not be classified as presenting an aspiration hazard.

## SECTION 12: Ecological information

### 12.1 Toxicity

**Aquatic toxicity (acute)**

Shall not be classified as hazardous to the aquatic environment.

### 12.2 Process of degradability

Data are not available.

### 12.3 Bioaccumulative potential

Data are not available.

### 12.4 Mobility in soil

Data are not available.

### 12.5 Results of PBT and vPvB assessment

Data are not available.

### 12.6 Other adverse effects

Data are not available.

## SECTION 13: Disposal considerations

### 13.1 Waste treatment methods

**Sewage disposal-relevant information**

Do not empty into drains. Avoid release to the environment. Refer to special instructions/safety data sheets.

**Waste treatment of containers/packages**

Completely emptied packages can be recycled. Handle contaminated packages in the same way as the substance itself.

### 13.3 Remarks

Please consider the relevant national or regional provisions. Waste shall be separated into the categories that can be handled separately by the local or national waste management facilities.

## SECTION 14: Transport information

| | | |
|---|---|---|
| **14.1** | UN number | (not subject to transport regulations) |
| **14.2** | UN proper shipping name | not relevant |
| **14.3** | Transport hazard class(es) | |
| | Class | - |
| **14.4** | Packing group | not relevant |
| **14.5** | Environmental hazards | none (non-environmentally hazardous acc. to the dangerous goods regulations) |

### 14.6 Special precautions for user

There is no additional information.

### 14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

The cargo is not intended to be carried in bulk.

## SECTION 15: Regulatory information

### 15.1 Safety, health and environmental regulations specific for the product in question

**National regulations (United States)**

**SARA TITLE III (Superfund Amendment and Reauthorization Act)**

List of Extremely Hazardous Substances (40 CFR 355) (EPCRA Section 302 and 304) — none of the ingredients are listed

Specific Toxic Chemical Listings (40 CFR 372) (EPCRA Section 313) — none of the ingredients are listed

**Industry or sector specific available guidance(s)**

**NPCA-HMIS® III**

Hazardous Materials Identification System (American Coatings Association)

| Category | Rating | Description |
|---|---|---|
| **Chronic** | / | None. |
| **Health** | 0 | No significant risk to health. |
| **Flammability** | 1 | Materials that must be preheated before ignition can occur. |
| **Physical hazard** | 0 | Materials that are normally stable, even under fire conditions, and will not react with water, polymerize, decompose, condense, or self-react. Non-explosives. |
| **Personal protective equipment** | - | |

**NFPA® 704**

National Fire Protection Association: Standard System for the Identification of the Hazards of Materials for Emergency Response (United States) - National Fire Protection Association (United States)

| Category | Degree of hazard | Description |
|---|---|---|
| **Flammability** | 1 | Materials that must be preheated before ignition can occur. |
| **Health** | 0 | Materials that, under emergency conditions, would offer no hazard beyond that of ordinary combustible material. |
| **Instability** | 0 | Materials that are normally stable, even under fire conditions. |
| **Special hazard** | | |

**Right to Know Hazardous Substance List** — none of the ingredients are listed

**Proposition 65 List of chemicals** — none of the ingredients are listed

## SECTION 16: Other information

### 16.1 Indication of changes (revised safety data sheet)

| Section | Former entry (text/value) | Actual entry (text/value) |
|---|---|---|
| 1.3 | Details of the supplier of the safety data sheet:<br>Mark Supply Co.<br>156 Progress Circle<br>Venice, FL 34285<br>941-485-8199 | Details of the supplier of the safety data sheet:<br>MVP Distributing<br>2854 S Featherly Way<br>Boise, ID 83709<br>208-859-6000 |

### 16.2 Abbreviations and acronyms

| Abbr. | Descriptions of used abbreviations |
|---|---|
| CMR | Carcinogenic, Mutagenic or toxic for Reproduction |
| DMEL | Derived Minimal Effect Level |
| DNEL | Derived No-Effect Level |
| IARC Monographs | IARC Monographs on the Evaluation of Carcinogenic Risks to Humans |
| MARPOL | International Convention for the Prevention of Pollution from Ships (abbr. of "Marine Pollutant) |
| NFPA® 704 | National Fire Protection Association: Standard System for the Identification of the Hazards of Materials for Emergency Response (United States) |
| NPCA-HMIS® III | National Paint and Coatings Association: Hazardous Materials Identification System - HMIS® III, Third Edition |
| OSHA | Occupational Safety and Health Administration (United States) |
| PBT | Persistent, Bioaccumulative and Toxic |
| PNEC | Predicted No-Effect Concentration |
| vPvB | very Persistent and very Bioaccumulative |

### 16.3 Key literature references and sources for data

- OSHA Hazard Communication Standard (HCS), 29 CFR 1910.1200
- 49 CFR § 172.101 Hazardous Materials Table (DOT)

### 16.4 Classification procedure

Physical and chemical properties: The classification is based on tested mixture.
Health hazards/Environmental hazards: The method for classification of the mixture is based on ingredients of the mixture (additivity formula).

### 16.5 List of relevant phrases (code and full text as stated in chapter 2 and 3)

### 16.7 Disclaimer

This information is based upon the present state of our knowledge. This SDS has been compiled and is solely intended for this product.