



## Safety Data Sheet

### Biozyme

#### 1. IDENTIFICATION

**Product Identifier:** Biozyme

**Canadian TDG:** Non regulated

**Synonyms:** None

**Chemical Family:** Not applicable

**Recommended Use:** deodorizer

**Restrictions on Use:** None

**Manufacturer / Supplier:**

Genesis Chemicals

602 – 13<sup>th</sup> St SE

Medicine Hat, AB

T1A 1X3

**Prepared by:** The Environmental, Health and Safety Department of Genesis Chemicals Ltd

**Preparation Date of SDS:** September 6, 2017

**Telephone number of preparer:** 403-528-4220

**24-Hour Emergency Telephone Number (CANUTEC):** (613) 996-6666

#### 2. HAZARDS IDENTIFICATION

**GHS 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.

**GHS Label element**

Not a hazardous substance or mixture.

**Signal Word:** Not Applicable

**Hazard Statement(s):** Not Applicable

**Precautionary Statement(s):** Not Applicable

**Other Hazards:** None known.

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

Product is entirely composed of non-regulated, non-hazardous materials

#### Notes

\*\*If Chemical Name/CAS No is "proprietary" and/or Weight-% is listed as a range, the specific chemical identity and/or percentage of composition has been withheld as a trade secret.\*\*

### 4. FIRST AID MEASURES

#### First-aid Measures

##### Inhalation

Remove victim to fresh air and keep at rest in a position comfortable for breathing. If effects occur consult a physician.

##### Skin Contact

Flush with copious amounts of water as a precaution. If skin irritation or a rash occurs, get medical advice/attention.

##### Eye Contact

Immediately rinse the contaminated eye(s) with lukewarm, gently flowing water for 15-20 minutes, while holding the eyelid(s) open. Take care not to rinse contaminated water into the unaffected eye or onto the face. Remove contact lenses, if present and easy to do. If eye irritation persists, get medical advice/attention.

##### Ingestion

Wash out mouth with water. Remove dentures if any. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Get medical attention if adverse health effects persist or are severe.

#### Most Important Symptoms and Effects, Acute and Delayed

Non known.

#### Immediate Medical Attention and Special Treatment

##### Special Instructions

Treat symptomatically and supportively.

### 5. FIRE-FIGHTING MEASURES

#### Extinguishing Media

##### Suitable Extinguishing Media

Water spray, carbon dioxide, dry chemical powder or appropriate foam.

##### Unsuitable Extinguishing Media

Non known.

#### Specific Hazards Arising from the Chemical

Exposure to combustion products may be a hazard to health.

#### Special Protective Equipment and Precautions for Fire-fighters

Evacuate area. Approach fire from upwind to avoid hazardous vapours or gases.

Before entry, especially into confined areas, use an appropriate monitor to check for: toxic gases or vapours, flammable or explosive atmosphere.

Fire-fighters may enter the area if positive pressure SCBA and full Bunker Gear is worn. If there is potential for skin

contact with concentrated cleaner: chemical protective clothing (e.g. chemical splash suit) and positive pressure SCBA may be necessary. See Skin Protection in Section 8 (Exposure Controls/Personal Protection) for advice on suitable chemical protective materials.

## 6. ACCIDENTAL RELEASE MEASURES

### **Personal Precautions, Protective Equipment, and Emergency Procedures**

Follow safe handling advice and personal protective equipment recommendations.

### **Environmental Precautions**

Discharge into the environment must be avoided. Prevent further leakage or spillage if safe to do so. Prevent spreading over a wide area (e.g. by containment or oil barriers). Retain and dispose of contaminated wash water. Local authorities should be advised if significant spillages cannot be contained.

### **Methods and Materials for Containment and Cleaning Up**

Soak up with inert absorbent material. For large spills, provide diking or other appropriate containment to keep material from spreading. If diked material can be pumped, store recovered material in appropriate container. Clean up remaining materials from spill with suitable absorbent. Local or national regulations may apply to releases and disposal of this material, as well as those materials and items employed in the cleanup of releases. You will need to determine which regulations are applicable. Sections 13 and 15 of this SDS provide information regarding certain local or national requirements.

### **Other Information**

Report spills to local health, safety and environmental authorities, as required.

## 7. HANDLING AND STORAGE

### **Precautions for Safe Handling**

When handling diluted product: no special handling precautions are necessary. Use only with adequate ventilation. Handle in accordance with good industrial hygiene and safety practice. Take care to prevent spills, waste and minimize release to the environment.

### **Conditions for Safe Storage**

Keep in properly labeled containers. Store in accordance with the particular national regulations. Store separate from incompatible materials (see Section 10: Stability and Reactivity).

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### **Control Parameters**

Contains no substances with occupational exposure limit values.

### **Appropriate Engineering Controls**

General ventilation is usually adequate. Provide eyewash and safety shower if contact or splash hazard exists.

When handling large quantities of concentrated product: use a local exhaust ventilation and enclosure, if necessary, to control amount in the air.

### **Individual Protection Measures**

**Eye/Face Protection**

Do not get in eyes. Wear chemical safety goggles.

**Skin Protection**

Skin should be washed after contact.

**Other Personal Protection Data:** Ensure that eyewash stations and safety showers are proximal to the work-station location. When using do not eat, drink or smoke. Wash contaminated clothing before re-use.

## 9. CHEMICAL AND PHYSICAL PROPERTIES

**Basic Physical and Chemical Properties**

<b>Appearance</b>	Green Liquid
<b>Odour</b>	Cherry
<b>Odour Threshold</b>	Not available
<b>pH</b>	Not available
<b>Melting Point/Freezing Point</b>	0°C / 32°F
<b>Initial Boiling Point/Range</b>	Not available
<b>Flash Point</b>	Not available
<b>Evaporation Rate</b>	Not available
<b>Flammability (solid, gas)</b>	Not applicable (liquid).
<b>Upper/Lower Flammability or Explosive Limit</b>	Not available
<b>Vapour Pressure</b>	Not available
<b>Vapour Density (air = 1)</b>	Not available
<b>Relative Density (water = 1)</b>	0.98 – 1.05 kg/L at 20 °C
<b>Solubility</b>	Soluble in water
<b>Auto-ignition Temperature</b>	Not available
<b>Decomposition Temperature</b>	Not available
<b>Viscosity</b>	Not available
<b>Other Information</b>	
<b>Physical State:</b>	Liquid

## 10. STABILITY AND REACTIVITY

**Reactivity**

Not reactive. Not sensitive to mechanical impact.

**Chemical Stability**

Normally stable.

**Possibility of Hazardous Reactions**

None expected under normal conditions of storage and use.

**Conditions to Avoid**

None known.

**Incompatible Materials**

Oxidizing agents (e.g. peroxides)

**Hazardous Decomposition Products**

No hazardous decomposition products are known.

## 11. TOXICOLOGICAL INFORMATION

**Likely Routes of Exposure** Inhalation; skin contact; eye contact; ingestion.

**Potential Health Effects**

Eyes : Cause of irritation.  
Skin : Health injuries are not known or expected under normal use.  
Ingestion : Health injuries are not known or expected under normal use.  
Inhalation : Health injuries are not known or expected under normal use.  
Chronic Exposure : Health injuries are not known or expected under normal use.

**Experience with Human Exposure**

Eye contact : Redness, irritation.  
Skin contact : No symptoms known or expected.  
Ingestion : No symptoms known or expected.  
Inhalation : No symptoms known or expected.

**Toxicity**

Acute oral toxicity : Acute toxicity estimate (ATE): > 5,000 mg/kg  
Acute inhalation toxicity : No data available  
Acute dermal toxicity : Acute toxicity estimate (ATE): > 5,000 mg/kg

**STOT (Specific Target Organ Toxicity) - Single Exposure Inhalation**

Not classified.

**Aspiration Hazard**

Not an aspiration hazard.

**STOT (Specific Target Organ Toxicity) - Repeated Exposure**

Not classified.

**Skin Corrosion/Irritation**

Prolonged skin contact may cause temporary irritation.

**Serious Eye Damage/Eye Irritation**

Mild eye irritation

**Respiratory or Skin Sensitization**

This product is not expected to cause respiratory or skin sensitization.

**Carcinogenicity**

This product is not considered to be a carcinogen by IARC, ACGIH, NTP, or OSHA.

**Reproductive Toxicity**

This product is not expected to cause reproductive or developmental effects.

**Germ Cell Mutagenicity**

No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.

**Interactive Effects**

No information was located.

**Additional Information**

No information was located.

**12. ECOLOGICAL INFORMATION**

This section is not required by WHMIS.

This section is not required by OSHA.

**13. DISPOSAL CONSIDERATIONS****Disposal Methods**

Recommended disposal methods are for the product, as sold. (Used material may contain other hazardous contaminants). The required hazard evaluation of the waste and compliance with the applicable hazardous waste laws are the responsibility of the user.

Disposal methods: Diluted product can be flushed to sanitary sewer.

Disposal considerations: Dispose of in accordance with local, state, and federal regulations.

**14. TRANSPORT INFORMATION****DOT (U.S.):**

**DOT Shipping Name:** Not Regulated.

**DOT Hazardous Class:** Not Applicable.

**DOT UN Number:** Not Applicable.

**DOT Packing Group:** Not Applicable.

**DOT Reportable Quantity (lbs):** Not Available.

**Marine Pollutant:** No.

**TDG (Canada):**

**TDG Shipping Name:** Not Regulated.

**Hazard Class:** Not Applicable.

**UN Number:** Not Applicable.

**Packing Group:** Not Applicable.

**Marine Pollutant:** No.

**Special Precautions for User**

Not applicable

**Transport in Bulk According to Annex II of MARPOL 73/78 and the IBC Code**

Not applicable

## 15. REGULATORY INFORMATION

**U.S. TSCA Inventory Status:** All components of this product are either on the Toxic Substances Control Act (TSCA) Inventory List or exempt.

**Canadian DSL Inventory Status:** All components of this product are either on the Domestic Substances List (DSL), the Non-Domestic Substances List (NDSL) or exempt.

**California Proposition 65:** Not Listed.

**MA Right to Know List:** Listed.

**New Jersey Right-to-Know List:** Listed.

**Pennsylvania Right to Know List:** Listed.

**WHMIS Hazardous Class:**  
NON-CONTROLLED

## 16. OTHER INFORMATION

**Additional Information:** This product has been classified in accordance with the Globally Harmonized System of Classification and Labeling of Chemicals (GHS) and the SDS contains all the information required by the Hazardous Products Regulations (HPR).

**Prepared by:** The Environmental, Health and Safety Department of Genesis Chemicals Ltd

**Date of Latest Revision:** September 6, 2017

**Key to Abbreviations:** IARC = International Agency for Research on Cancer. Group 3 = Not classifiable as to its carcinogenicity to humans. ACGIH® = American Conference of Governmental Industrial Hygienists. A4 = Not classifiable as a human carcinogen. NTP = National Toxicology Program. OSHA = US Occupational Safety and Health Administration. ACGIH® = American Conference of Governmental Industrial Hygienists. TLV® = Threshold Limit Value. TWA = Time-Weighted Average. STEL = Short-term Exposure Limit. A4 = Not classifiable as a human carcinogen. OSHA = US Occupational Safety and Health Administration. PEL = Permissible Exposure Limits. IDLH = Immediately Dangerous to Life and Health.

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**\*\*\*END OF SDS\*\*\***