



# SAFETY DATA SHEET

Issuing Date 17-Mar-2014

Revision Date 26-Aug-2016

Revision Number 2

## 1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND THE COMPANY/UNDERTAKING

### GHS product identifier

**Product Name** Biozyme

### Other means of identification

**Product Code(s)** 1620

**Synonyms** None

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

**Recommended Use** Drain and Grease Trap Treatment

**Uses advised against** No information available

### Supplier's details

**Supplier Address**  
Sunburst Chemicals, Inc.  
220 W. 86th St.  
Bloomington, MN 55420  
TEL: 952-884-3144

**Emergency Telephone Number** 1-866-303-6943

## 2. HAZARDS IDENTIFICATION

### Classification

This chemical is considered hazardous according to the OSHA Hazard Communication Standard 2012 (29 CFR 1910.1200)

### **PRODUCT AS SOLD**

Acute Oral Toxicity	Category 4
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### **PRODUCT AT USE DILUTION**

Acute Oral Toxicity	Category 4
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### GHS Label elements, including precautionary statements

#### Emergency Overview

### **PRODUCT AS SOLD**

**Signal Word** Warning

#### **Hazard Statements**

- Harmful if swallowed



**Appearance** Violet

**Physical State** Solid

**Odor** Lemon

**Precautionary Statements**

**Prevention**

- Wash face, hands and any exposed skin thoroughly after handling
- Do not eat, drink or smoke when using this product

**General Advice**

- IF exposed or concerned: Get medical attention/advice

**Ingestion**

- IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell
- Rinse mouth

**Storage**

- Store locked up

**Disposal**

- Dispose of contents/container to an approved waste disposal plant

**Hazard Not Otherwise Classified (HNOC)**

Not applicable

**Other information**

Harmful to aquatic life.

**PRODUCT AT USE DILUTION**

**Signal Word**

**Warning**

**Hazard Statements**

- Harmful if swallowed



**Appearance** Colorless

**Physical State** Liquid

**Odor** Lemon

**Precautionary Statements**

**Prevention**

- Wash face, hands and any exposed skin thoroughly after handling
- Do not eat, drink or smoke when using this product

**General Advice**

- IF exposed or concerned: Get medical attention/advice

**Ingestion**

- IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell
- Rinse mouth

<p><b>Storage</b></p> <ul style="list-style-type: none"> <li>• Store locked up</li> </ul> <p><b>Disposal</b></p> <ul style="list-style-type: none"> <li>• Dispose of contents/container to an approved waste disposal plant</li> </ul>
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**3. COMPOSITION/INFORMATION ON INGREDIENTS**

**PRODUCT AS SOLD**

Chemical Name	CAS-No	Weight %	Trade secret
Nonylphenol Ethoxylate	9016-45-9	40 - 70	*
Benzenesulphonic acid,C10-C13 alkyl derivs., sodium salts	68411-30-3	5 - 15	*
Sodium dioctyl sulfosuccinate	577-11-7	3 - 7	*

*\*The exact percentage (concentration) of composition has been withheld as a trade secret.*

<p><b>PRODUCT AT USE DILUTION</b></p> <p>Contains ingredients listed above at weight % less than 0.5%</p>
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**4. FIRST AID MEASURES**

**PRODUCT AS SOLD**

Description of necessary first-aid measures

<b>Eye Contact</b>	Rinse immediately with plenty of water, also under the eye lids, for at least 15 minutes. Seek immediate medical attention / advice.
<b>Skin Contact</b>	Wash off with warm water and soap. Remove and wash contaminated clothing before re-use. If symptoms persist, call a physician.
<b>Inhalation</b>	Move to fresh air. If breathing is difficult, give oxygen. If symptoms persist, call a physician.
<b>Ingestion</b>	Do NOT induce vomiting. Drink plenty of water. Never give anything by mouth to an unconscious person. If symptoms persist, call a physician.

Most important symptoms/effects, acute and delayed

**Most Important Symptoms/Effects** No information available.

Indication of immediate medical attention and special treatment needed, if necessary

**Notes to Physician** Treat symptomatically.

<b>PRODUCT AT USE DILUTION</b>	
<b>Eye Contact</b>	Rinse immediately with plenty of water, also under the eye lids, for at least 15 minutes. Seek immediate medical attention / advice.
<b>Skin Contact</b>	Wash off with warm water and soap. Remove and wash contaminated clothing before re-use. If symptoms persist, call a physician.
<b>Inhalation</b>	Move to fresh air. If breathing is difficult, give oxygen. If symptoms persist, call a physician.
<b>Ingestion</b>	Do NOT induce vomiting. Drink plenty of water. Never give anything by mouth to an unconscious person. If symptoms persist, call a physician.

**5. FIRE-FIGHTING MEASURES**

Suitable Extinguishing Media

Water. Carbon dioxide (CO<sub>2</sub>). Dry chemical.

Unsuitable Extinguishing Media None

**Specific Hazards Arising from the Chemical**

No information available

**Explosion Data**

Sensitivity to Mechanical Impact None

Sensitivity to Static Discharge None

**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**

**PRODUCT AS SOLD**

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

**Personal Precautions** Avoid contact with skin, eyes and clothing. Ensure adequate ventilation. Use personal protective equipment. If spilled, take caution, as material can cause surfaces to become very slippery.

**Environmental Precautions**

**Environmental Precautions** Dispose of contents/container to an approved waste disposal plant.

**Methods and materials for containment and cleaning up**

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

**Methods for Cleaning Up** Collect and reuse if possible. Following product recovery, flush area with water.

**PRODUCT AT USE DILUTION**

**Personal Precautions** Avoid contact with skin, eyes and clothing. Do not breathe spray mist. Ensure adequate ventilation. Use personal protective equipment. Solution can cause surfaces to become slippery.

**Environmental Precautions** Avoid release to the environment. Rinse or mop up use solutions. Solutions may be flushed down sanitary sewer drains.

**Methods and materials for containment and cleaning up**

**Methods for Containment** Prevent solutions from spillage.

**Methods for Cleaning Up** Flush area with water.

**7. HANDLING AND STORAGE**

**PRODUCT AS SOLD**

**Precautions for safe handling**

**Handling** Handle in accordance with good industrial hygiene and safety practice. Ensure adequate ventilation. Avoid contact with skin, eyes and clothing. Do not eat, drink or smoke when using this product.

**Conditions for safe storage, including any incompatibilities**

**Storage** Keep container tightly closed. Keep container closed when not in use. Keep out of the reach of children.

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

<b>PRODUCT AT USE DILUTION</b>	
<b>Advice on safe handling</b>	Do not ingest. Do not get in eyes, on skin or on clothing. Do not breathe mist. Use only with adequate ventilation. Wash hands thoroughly after handling.
<b>Conditions for safe storage</b>	Keep out of reach of children. Store in suitable labeled containers.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

**Control parameters**

**Exposure Guidelines** This product does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies.

**Appropriate engineering controls**

**Engineering Measures** Eyewash stations

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

**Eye/Face Protection** Safety glasses with side-shields. If splashes are likely to occur, wear: Goggles.

**Skin and Body Protection** Rubber gloves.

**Respiratory Protection** If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn.

**Hygiene Measures** Wash thoroughly after handling.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**PRODUCT AS SOLD**

**Information on basic physical and chemical properties**

<b>Physical State</b>	Solid	<b>Appearance</b>	Violet
<b>Odor</b>	Lemon	<b>Odor Threshold</b>	No information available

<b><u>Property</u></b>	<b><u>Values for Product as Sold</u></b>	<b><u>Values for Product at Use Dilution</u></b>
pH , Use Solution	N/A	7.0 – 9.0
Melting Point/Range	48 °C / 118.4 °F	
Boiling Point/Boiling Range	None	
Flash Point	None.	
Evaporation rate	No data available	Physical State – Liquid
Flammability (solid, gas)	No data available	Odor – Lemon
Flammability Limits in Air		Appearance - Colorless
upper flammability limit	No data available	
lower flammability limit	No data available	
Vapor Pressure	No data available	
Vapor Density	No data available	
Relative Density	No data available	
Specific Gravity	No data available	
Water Solubility	Complete	
Solubility in other solvents	No data available	
Partition coefficient: n-octanol/water	No data available	
Autoignition Temperature	No data available	
Decomposition Temperature	No data available	
Viscosity	No data available	

**Flammable Properties** Not flammable

**Explosive Properties** Not explosive

**Oxidizing Properties** Not an oxidizer

**Other information**

VOC Content (%) 0%

## 10. STABILITY AND REACTIVITY

### Reactivity

No data available.

### Chemical stability

Stable under recommended storage 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

### PRODUCT AS SOLD

#### Information on likely routes of exposure

#### Product Information

##### Inhalation

May cause irritation of respiratory tract.

##### Eye Contact

Contact with eyes may cause irritation.

##### Skin Contact

Causes skin irritation.

##### Ingestion

Harmful if swallowed. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.

#### PRODUCT AT USE DILUTION

##### Inhalation

May cause irritation of respiratory tract.

##### Eye Contact

Causes eye irritation.

##### Skin Contact

Causes skin irritation.

##### Ingestion

Harmful if swallowed. Ingestion may cause gastrointestinal irritation, nausea, vomiting, and diarrhea.

Chemical Name	LD50 Oral	LD50 Dermal	LC50 Inhalation
Nonylphenol Ethoxylate	= 3310 mg/kg ( Rat )	= 2000 mg/kg ( Rabbit )	-
Benzenesulphonic acid,C10-C13 alkyl derivs., sodium salts	= 1020 mg/kg ( Rat )	-	-

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

Symptoms No information available.

#### Delayed and immediate effects and also chronic effects from short and long term exposure

##### Sensitization

No information available.

##### Mutagenic Effects

No information available.

##### Carcinogenicity

Contains no ingredient listed as a carcinogen.

##### Reproductive Toxicity

No information available.

##### STOT - single exposure

No information available.

##### STOT - repeated exposure

No information available.

##### Aspiration Hazard

No information available.

#### Numerical measures of toxicity • - Product

The following values are calculated based on chapter 3.1 of the GHS document:

**LD50 Oral** No information available.  
**LD50 Dermal** No information available.

## 12. ECOLOGICAL INFORMATION

### Ecotoxicity

Harmful to aquatic life

Chemical Name	Toxicity to Algae	Toxicity to Fish	Toxicity to Microorganisms	Daphnia Magna (Water Flea)
Benzenesulphonic acid, C10-C13 alkyl derivs., sodium salts	EC50 96h: = 0.97 mg/L	LC50 96 h: = 1.67 mg/L (Bluegill Sunfish)	-	EC50 48 h: = 7.6 mg/L (Daphnia magna)
Nonylphenol Ethoxylate	-	LC50 96 h: = 1.8 mg/L static (Bluegill Sunfish)	-	EC50 48h: = 12.2 mg/L (Daphnia magna)
Sodium dioctyl sulfosuccinate	-	LC50 96 h: = 54.5 mg/L (Bluegill Sunfish)	-	EC50 48h: = 35.9 mg/L (Daphnia magna)

**Persistence and Degradability** No information available.  
**Bioaccumulation** No information available.

### Other Adverse Effects

No information available.

## 13. DISPOSAL CONSIDERATIONS

### **PRODUCT AS SOLD**

**Waste Disposal Methods** Dispose of in accordance with federal, state, and local regulations

**Contaminated Packaging** Dispose of in accordance with federal, state, and local regulations.

### **PRODUCT AT USE DILUTION**

Dispose of in accordance of the federal, state, local regulations.

## 14. TRANSPORT INFORMATION

**DOT** Not regulated

## 15. REGULATORY INFORMATION

### International Inventories

**TSCA** Complies  
**DSL/NDSL** Complies

### Legend

**TSCA** - United States Toxic Substances Control Act Section 8(b) Inventory  
**DSL/NDSL** - Canadian Domestic Substances List/Non-Domestic Substances List

### U.S. Federal Regulations

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

**Acute Health Hazard** Yes  
**Chronic Health Hazard** No  
**Fire Hazard** No  
**Sudden Release of Pressure Hazard** No  
**Reactive Hazard** No

**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 122.42).

**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.

**U.S. 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 by state right-to-know regulations.

**U.S. EPA Label Information**

EPA Pesticide Registration Number Not applicable

16. OTHER INFORMATION						
<b><u>NFPA</u></b>	Health Hazard	1	Flammability	0	Instability 0	Physical and Chemical Hazards - Personal Protection A
<b><u>HMS</u></b>	Health Hazard	1	Flammability	0	Physical Hazard 0	

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**General Disclaimer**

The information provided on this SDS is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as 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 material or in any process, unless specified in the text.

**End of Safety Data Sheet**