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## 1. IDENTIFICATION

### PRODUCT IDENTIFIER

**PRODUCT NAME** ENZYME FLOOR CLEANER

### OTHER MEANS OF IDENTIFICATION

**Product Code** B12

**Recommended Uses** Hard Surface Cleaner

### SDS-SUPPLIER INFORMATION

**SUPPLIER ADDRESS** EMULSO  
2750 Kenmore Avenue  
Tonawanda, NY 14150

### EMERGENCY TELEPHONE NUMBER

**COMPANY PHONE NUMBER** (716) 854-2889  
**COMPANY FAX NUMBER** (716) 854-2809  
**24-HOUR EMERGENCY TELEPHONE (ACCOUNT #8686)**  
**NORTH AMERICA** 1-800-633-8253  
**INTERNATIONAL** PERS 1-801-629-0667

## 2. HAZARDS IDENTIFICATION

### CLASSIFICATION

Acute toxicity - Oral Category 4  
Acute toxicity - Dermal Category 4  
Serious eye damage/eye irritation Category 2A  
Respiratory sensitization Category 1  
Skin sensitization Category 1

**SIGNAL WORD** Danger

### HAZARD STATEMENTS



### HAZARD STATEMENTS

1. May cause allergy or asthma symptoms or breathing if inhaled.
2. May cause an allergic skin reaction.
3. Causes serious eye irritation.
4. May be harmful if swallowed.

**APPEARANCE** Opaque

**PHYSICAL STATE** Liquid

### PRECAUTIONARY STATEMENTS

|  |  |
|--|--|
| <b>PREVENTION</b>                              | Obtain special instructions before use.<br>Do not handle until all safety precautions have been read and understood.<br>Use personal protective equipment as required.<br>Wash face, hands and any exposed skin thoroughly after handling. |
| <b>RESPONSE</b>                                | Immediately call poison center or doctor/ physician.   |
| <b>IF SWALLOWED</b>                            | Call POISON CENTER or doctor/ physician if you feel unwell. Rinse mouth. Do NOT induce vomiting.   |
| <b>IF IN EYES</b>                              | Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing If eye irritation persists: Get medical advice/attention.  |
| <b>IF ON SKIN/HAIR</b>                         | Wash with plenty of soap and water. If skin irritation occurs: Get medical advice/attention Take off contaminated clothing and wash it before reuse.   |
| <b>IF INHALED</b>                              | Remove victim to fresh air and keep at rest in a position comfortable for breathing<br>Call a poison center or doctor/physician if you feel unwell.  |
| <b>IF EXPOSED/CONCERNED</b>                    | Get medical advice/ attention.   |
| <b>STORAGE</b>                                 | Store locked-up. Keep away from children. Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F.   |
| <b>DISPOSAL</b>                                | Dispose of unused product and container in accordance with all applicable local and regional requirements  |
| <b>HAZARDS NOT OTHERWISE CLASSIFIED (HNOC)</b> | N/A  |

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

| CHEMICAL NAME                   | CAS NUMBER | WEIGHT - % |
|---------------------------------|------------|------------|
| Water                           | 7732-18-5  | 60-70      |
| Ethoxylated Alcohols, C9-C11    | 68439-46-3 | 20.25      |
| Viable Bacteria Cultures        | N/A        | 1-5        |
| Sodium Lauryl Sulfate           | 151-21-3   | 1-5        |
| Lipase                          | 9001-62-1  | <1.0       |
| 1,2-Benzisothiazole-3 -(2H)-one | 2634-33-5  | <0.05      |

\*\*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

#### DESCRIPTION OF FIRST AID MEASURES

**GENERAL ADVICE** Provide this SDS to medical personnel for treatment.

|                     |  |
|---------------------|--|
| <b>EYE CONTACT</b>  | Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a poison center or doctor/physician. |
| <b>SKIN CONTACT</b> | Wash with plenty of soap and water. If skin irritation occurs: Get medical advice/attention. Take off contaminated clothing and wash it before reuse.                      |
| <b>INHALATION</b>   | Remove person to fresh air and keep at rest in a position comfortable for breathing. Immediately call poison center or doctor/ physician.                                  |
| <b>INGESTION</b>    | Rinse mouth. Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Drink 1-2 glasses of water. Immediate medical attention is required.           |

**MOST IMPORTANT SYMPTOMS/EFFECTS, ACUTE & DELAYED**

**MAIN SYMPTOMS** Causes skin irritation. Causes eye irritation.

**INDICATION OF IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT NEEDED, IF NECESSARY**

**NOTES TO PHYSICIAN** Treat symptomatically.

**5. FIRE-FIGHTING MEASURES**

**SUITABLE EXTINGUISHING MEDIA** Water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

**UNSUITABLE EXTINGUISHING MEDIA** None known.

**SPECIFIC HAZARDS ARISING FROM CHEMICAL** May cause allergic respiratory reaction.

**PROTECTIVE EQUIPMENT AND PRECAUTIONS FOR FIRE-FIGHTERS**

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/ NIOSH (approved and equivalent) and full protective gear.

**6. ACCIDENTAL RELEASE MEASURES****PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES**

**PERSONAL PRECAUTIONS** Ensure adequate ventilation.  
Spilled preparation should be removed immediately to avoid formation of dust from dried preparation. Take up by mechanical means preferably by a vacuum cleaner equipped with a high efficiency filter.

**ENVIRONMENTAL PRECAUTIONS** Flush remainder carefully with plenty of water. Avoid splashing and high pressure washing (avoid formation of aerosols). Ensure ventilation. Wash contaminated clothing.

**METHODS AND MATERIALS FOR CONTAMINATION AND CLEAN-UP**

**CONTAMINATION** Prevent further leakage or spillage is safe to do so.

**CLEAN-UP** Pick up and transfer to properly labelled containers.

## 7. HANDLING AND STORAGE

### PRECAUTIONS FOR SAFE HANDLING

**PROTECTIVE MEASURES** 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, cool and well-ventilated place.

**INCOMPATIBLE MATERIALS** Strong acids or alkali compounds and strong oxidizing agents may inactivate biological cultures.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### EXPOSURE GUIDELINES

| Chemical Name  | ACGIH TLV | OSHA PEL | NIOSH IDLH |
|--|-----------|----------|------------|
| Water<br><b>7732-18-5</b>                              | -         | -        | -          |
| Ethoxylated Alcohols,<br>C9-C11<br><b>68439-46-3</b>   | -         | -        | -          |
| Viable Bacteria Cultures<br><b>Not Applicable</b>      | -         | -        | -          |
| Sodium Lauryl Sulfate<br><b>151-21-3</b>               | -         | -        | -          |
| Lipase<br><b>9001-62-1</b>                             | -         | -        | -          |
| 1,2-Benzisothiazole-<br>3-(2H)-one<br><b>2634-33-5</b> | -         | -        | -          |

**ENGINEERING CONTROLS** Apply technical measures to comply with the occupational exposure limits.

### INDIVIDUAL PROTECTION MEASURES

**EYE/FACE PROTECTION** Avoid contact with eyes.  
**SKIN/BODY PROTECTION** No special technical protective measures are necessary.  
**RESPIRATORY PROTECTION** In case of ventilation, wear suitable respiratory equipment.  
**GENERAL HYGIENE** Handle in accordance with good industrial hygiene and safety practice.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**PHYSICAL STATE** Liquid  
**APPEARANCE** Opaque  
**COLOR** Opaque

**ODOR** Slight fermentation odor  
**ODOR THRESHOLD** Not determined

| PROPERTY                                     | VALUES         |
|--|----------------|
| <b>pH</b>                                    | 7.07           |
| <b>MELTING POINT/FREEZING POINT</b>          | Not determined |
| <b>BOILING POINT/BOILING RANGE</b>           | Not determined |
| <b>FLASH POINT</b>                           | Not determined |
| <b>EVAPORATION RATE</b>                      | Not determined |
| <b>FLAMMABILITY (SOLID, GAS)</b>             | Not determined |
| <b>UPPER FLAMMABILITY LIMITS IN AIR</b>      | Not determined |
| <b>LOWER FLAMMABILITY LIMITS IN AIR</b>      | Not determined |
| <b>VAPOR PRESSURE</b>                        | Not determined |
| <b>SPECIFIC GRAVITY</b>                      | 1.01           |
| <b>RELATIVE DENSITY</b>                      | Not determined |
| <b>WATER SOLUBILITY</b>                      | Not determined |
| <b>PARTITION COEFFICIENT N-OCTANOL/WATER</b> | Not determined |
| <b>AUTOIGNITION TEMPERATURE</b>              | Not determined |
| <b>DECOMPOSITION TEMPERATURE</b>             | Not determined |
| <b>VISCOSITY</b>                             | Not determined |

## 10. STABILITY AND REACTIVITY

|   |  |
|---|--|
| <b>REACTIVITY</b>                         | No data available.   |
| <b>CHEMICAL STABILITY</b>                 | Stable under recommended storage conditions.   |
| <b>POSSIBILITY OF HAZARDOUS REACTIONS</b> | None under normal processing   |
| <b>CONDITIONS TO AVOID</b>                | Keep out of reach of children. Stable under normal conditions. Excessive temperature variations below 32F or above 155F. |
| <b>INCOMPATIBLE MATERIALS</b>             | Strong acids or alkali compounds and strong oxidizing agents may inactivate biological cultures                          |
| <b>HAZARDOUS DECOMPOSITION PRODUCTS</b>   | None known based on information supplied.  |

## 11. TOXICOLOGICAL INFORMATION

*Information on likely routes of exposure.*

|                     |  |
|---------------------|--|
| <b>EYE CONTACT</b>  | Contact with eyes may cause irritation.                          |
| <b>SKIN CONTACT</b> | Prolonged or repeated contact may dry skin and cause irritation. |
| <b>INHALATION</b>   | There is no data available for this product.                     |
| <b>INGESTION</b>    | Ingestion may cause stomach discomfort.                          |

## COMPONENT INFORMATION

| CHEMICAL NAME                                      | ORAL LD50  | DERMAL LD50  | INHALATION LC50  |
|--|--|--|--|
| Water<br><b>7732-18-5</b>                          | Oral LD50 Rat:<br>>90 mL/kg  | Oral LD50 Rat:<br>>90 mL/kg  | Oral LD50 Rat:<br>>90 mL/kg  |
| Ethoxylated Alcohols, C9-C11<br><b>68439-46-3</b>  | Oral LD50 Rat:<br>1378 mg/kg; Dermal LD50 Rabbit: >2 g/kg                            | Oral LD50 Rat:<br>1378 mg/kg; Dermal LD50 Rabbit: >2 g/kg                            | Oral LD50 Rat:<br>1378 mg/kg; Dermal LD50 Rabbit: >2 g/kg                            |
| Sodium Lauryl Sulfate<br><b>151-21-3</b>           | Inhalation LC50 Rat:<br>>3900 mg/m <sup>3</sup> /1H;<br>Oral LD50 Rat:<br>1288 mg/kg | Inhalation LC50 Rat:<br>>3900 mg/m <sup>3</sup> /1H;<br>Oral LD50 Rat:<br>1288 mg/kg | Inhalation LC50 Rat:<br>>3900 mg/m <sup>3</sup> /1H;<br>Oral LD50 Rat:<br>1288 mg/kg |
| 1,2-Benzisothiazole-3-(2H)-one<br><b>2634-33-5</b> | Oral LD50 Rat:<br>1020 mg/kg   | Oral LD50 Rat:<br>1020 mg/kg   | Oral LD50 Rat:<br>1020 mg/kg   |

*Information on Toxicological Effects*

**SYMPTOMS** No information available.

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

**CARCINOGENICITY** N/A

*Numerical measures of toxicity – Product Information*

Not determined.

## 12. ECOLOGICAL INFORMATION

1% of the mixture consists of components(s) of unknown hazards to the aquatic environment.

| CHEMICAL NAME                            | ALGAE/ AQUATIC PLANTS   |                      | TOXIC TO MICROORGANISMS |  | CRUSTACEA            |
|--|-------------------------|----------------------|-------------------------|--|----------------------|
|  | FISH                    |                      |                         |  |                      |
| Sodium Lauryl Sulfate<br><b>151-21-3</b> | EC50 30 - 100 mg/L 96 h | EC50 = 117 mg/L 96 h | -                       | EC50 = 0.46 mg/L 30 min<br>EC50 = 0.72 mg/L 15 min<br>EC50 = 1.19 mg/L 5 min | EC50 = 1.8 mg/L 48 h |

**PERSISTENCE AND DEGRADABILITY** The organic components of the product are biodegradable.  
**BIOACCUMULATION** Not determined.  
**OTHER ADVERSE EFFECTS** Not determined.

| CHEMICAL NAME                                      | LOG POW |
|--|---------|
| Sodium Lauryl Sulfate<br><b>151-21-3</b>           | 1.6     |
| 1,2-Benzisothiazole-3-(2H)-one<br><b>2634-33-5</b> | 1.3     |

## 13. DISPOSAL CONSIDERATIONS

### WASTE TREATMENT METHODS

**WASTE DISPOSAL** Disposal should be in accordance with applicable regional, national and local laws and regulations.  
**CONTAMINATED PACKAGING** Dispose of wastes in an approved waste disposal facility.

## 14. TRANSPORT INFORMATION

### DOT

Not regulated

### IATA

Not regulated

### IMDG

Not regulated

## 15. REGULATORY INFORMATION

### INTERNATIONAL INVENTORIES

#### 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

### 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.

### SARA 313/312 HAZARD CATEGORIES

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 40 CFR Part 372.

### CLEAN WATER ACT (CWA)

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)

## U.S. STATE REGULATIONS

### U.S. STATE RIGHT-TO-KNOW REGULATIONS

#### CALIFORNIA PROPOSITION 65

This product does not contain any Proposition 65 chemicals.

### U.S. STATE RIGHT-TO-KNOW REGULATIONS

N/A

**16. OTHER INFORMATION**

|             |                       |                     |                         |                            |
|-------------|-----------------------|---------------------|-------------------------|----------------------------|
| <b>NFPA</b> | <b>HEALTH HAZARDS</b> | <b>FLAMMABILITY</b> | <b>INSTABILITY</b>      | <b>SPECIAL HAZARDS</b>     |
|             | Not determined        | Not determined      | Not determined          | Not determined             |
| <b>HMIS</b> | <b>HEALTH HAZARDS</b> | <b>FLAMMABILITY</b> | <b>PHYSICAL HAZARDS</b> | <b>PERSONAL PROTECTION</b> |
|             | Not determined        | Not determined      | Not determined          | Not determined             |

**DISCLAIMER**

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

**END OF SAFETY DATA SHEET**