

## 1. PRODUCT AND COMPANY IDENTIFICATION

**Product Code:** MORGAN-187-BULK  
**Product Name:** Superzyme  
**Company Name:** Morgan-Gallacher, Inc.  
 8707 Millergrove Drive  
 Santa Fe Springs, CA 90670  
**Emergency Contact:** CHEMTREC

**Phone Number:**  
 +1 (562)695-1232  
 +1 (800)424-9300

## 2. HAZARDS IDENTIFICATION

**Acute Toxicity: Oral, Category 4**

**Eye Irritation, Category 2B**

**Skin Irritation, Category 2**



**GHS Signal Word:**

**Warning**

**GHS Hazard Phrases:**

Harmful if swallowed.  
 Causes skin irritation.  
 Causes eye irritation.

**GHS Precautionary Phrases:**

Read label before use.  
 Keep out of reach of children.  
 Do not get in eyes, on skin, or on clothing.  
 Do not breathe dust/fume/gas/mist/vapors/spray. Wash hands thoroughly after handling.  
 Wear protective gloves/eye protection.

**GHS Response Phrases:**

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing for 15 minutes.  
 Get immediate medical advice/attention.  
 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. Get immediate medical advice/attention.  
 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Wash with plenty of soap and water.  
 If skin irritation occurs, get medical attention.  
 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. If experiencing respiratory symptoms: Get medical advice/attention.

**GHS Storage and Disposal Phrases:**

Dispose of contents/container to in accordance with local, state, and federal regulations.

**Skin Contact:**

May cause skin irritation. Repeated or prolonged exposure may cause drying of the skin.

**Eye Contact:**

May cause eye irritation. May cause redness.

**Ingestion:**

May be harmful if swallowed. May cause gastrointestinal irritation.

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

| CAS #      | Hazardous Components (Chemical Name) | Concentration |
|------------|--------------------------------------|---------------|
| 68439-46-3 | Alcohol ethoxylate                   | <10.0 %       |

## 4. FIRST AID MEASURES

**Emergency and First Aid Procedures:**

- In Case of Skin Contact:** Flush skin with plenty of water. Get medical aid if irritation develops or persists.
- In Case of Eye Contact:** Flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Remove contact lenses, if present and easy to do. Continue rinsing. Get immediate medical advice/attention.
- In Case of Ingestion:** Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth with water. If victim is conscious and alert, give 2-4 cupfuls of water. Get medical attention immediately.
- Note to Physician:** Treat symptomatically and supportively. Show this safety data sheet to the doctor in attendance.

## 5. FIRE FIGHTING MEASURES

- Flash Pt:** NA
- Explosive Limits:** LEL: No data. UEL: No data.
- Autoignition Pt:** NA
- Suitable Extinguishing Media:** Use water fog, dry chemical, carbon dioxide, or alcohol-resistant foam.
- Fire Fighting Instructions:** As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear.
- Flammable Properties and Hazards:** High temperatures and fire conditions can result in the formation of carbon monoxide and carbon dioxide.
- Hazardous Combustion Products:** No data available.

## 6. ACCIDENTAL RELEASE MEASURES

- Protective Precautions, Protective Equipment and Emergency Procedures:** Use proper personal protective equipment as indicated in Section 8.
- Environmental Precautions:** Observe all federal, state, and local environmental regulations.
- Steps To Be Taken In Case Material Is Released Or Spilled:** Absorb spill with inert material (e.g. vermiculite, sand or earth), then place in suitable container.

## 7. HANDLING AND STORAGE

- Precautions To Be Taken in Handling:** Do not get in eyes, on skin, or on clothing.
- Precautions To Be Taken in Storing:** Do not store in direct sunlight. Protect containers against damage. Keep container tightly closed in a dry and well-ventilated place.
- Other Precautions:** Handle in accordance with good industrial hygiene and safety practice.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

| CAS #      | Partial Chemical Name | OSHA TWA | ACGIH TWA | Other Limits |
|------------|-----------------------|----------|-----------|--------------|
| 68439-46-3 | Alcohol ethoxylate    | No data. | No data.  | No data.     |

|   |   |
|---|---|
| <b>Respiratory Equipment (Specify Type):</b>    | No special respiratory protection equipment is required with normal use.                |
| <b>Eye Protection:</b>                          | Chemical safety goggles.  |
| <b>Protective Gloves:</b>                       | Wear appropriate protective gloves to prevent skin exposure. Rubber or neoprene gloves. |
| <b>Other Protective Clothing:</b>               | No data available.  |
| <b>Engineering Controls (Ventilation etc.):</b> | No data available.  |
| <b>Work/Hygienic/Maintenance Practices:</b>     | Handle in accordance with good industrial hygiene and safety practice.                  |

## 9. PHYSICAL AND CHEMICAL PROPERTIES

|   |                                |               |
|---|--------------------------------|---------------|
| <b>Physical States:</b>                     | [ ] Gas [ X ] Liquid [ ] Solid |               |
| <b>Appearance and Odor:</b>                 | Hazy. Viscous. Liquid.         |               |
| <b>pH:</b>                                  | 7.0 - 9.0                      |               |
| <b>Melting Point:</b>                       | NA                             |               |
| <b>Boiling Point:</b>                       | NA                             |               |
| <b>Flash Pt:</b>                            | NA                             |               |
| <b>Evaporation Rate:</b>                    | Not available                  |               |
| <b>Flammability (solid, gas):</b>           | No data available.             |               |
| <b>Explosive Limits:</b>                    | LEL: No data.                  | UEL: No data. |
| <b>Vapor Pressure (vs. Air or mm Hg):</b>   | Not available                  |               |
| <b>Vapor Density (vs. Air = 1):</b>         | Not available                  |               |
| <b>Specific Gravity (Water = 1):</b>        | 0.998 - 1.018                  |               |
| <b>Solubility in Water:</b>                 | No data.                       |               |
| <b>Saturated Vapor Concentration:</b>       | Not available                  |               |
| <b>Octanol/Water Partition Coefficient:</b> | No data.                       |               |
| <b>Autoignition Pt:</b>                     | NA                             |               |
| <b>Decomposition Temperature:</b>           | NA                             |               |
| <b>Viscosity:</b>                           | No data.                       |               |

## 10. STABILITY AND REACTIVITY

|   |  |
|---|--|
| <b>Stability:</b>                                 | Unstable [ ] Stable [ X ]                            |
| <b>Conditions To Avoid - Instability:</b>         | Incompatible materials, High temperatures, Light.    |
| <b>Incompatibility - Materials To Avoid:</b>      | Strong acids, Strong bases, Strong oxidizing agents. |
| <b>Hazardous Decomposition or Byproducts:</b>     | carbon monoxide, carbon dioxide.                     |
| <b>Possibility of Hazardous Reactions:</b>        | Will occur [ ] Will not occur [ X ]                  |
| <b>Conditions To Avoid - Hazardous Reactions:</b> | No data available.                                   |

### 11. TOXICOLOGICAL INFORMATION

**Toxicological Information:** Epidemiology: No information found.  
 Teratogenicity: No information available.  
 Reproductive Effects: No information available.  
 Mutagenicity: No information available.  
 Neurotoxicity: Acute toxicity. No data available.  
 Respiratory or skin sensitization: No information available.

CAS# 68439-46-3: Alcohol ethoxylate: Acute toxicity, LD50, Skin, Species: Rabbit, > 2.000 GM/KG.

|                         |   |            |                     |                    |             |  |
|-------------------------|---|------------|---------------------|--------------------|-------------|--|
| <b>Carcinogenicity:</b> |   | NTP? No    | IARC Monographs? No | OSHA Regulated? No |             |  |
| <b>CAS #</b>            | <b>Hazardous Components (Chemical Name)</b> | <b>NTP</b> | <b>IARC</b>         | <b>ACGIH</b>       | <b>OSHA</b> |  |
| 68439-46-3              | Alcohol ethoxylate                          | n.a.       | n.a.                | n.a.               | n.a.        |  |

### 12. ECOLOGICAL INFORMATION

**General Ecological Information:** Environmental: No information available.  
 Physical: No information available.  
 CAS# 68439-46-3: Alcohol ethoxylate: LC50, Fathead Minnow (Pimephales promelas), 8500. UG/L, 96 H, Mortality.

**Persistence and Degradability:** No data available.

**Bioaccumulative Potential:** No data available.

**Mobility in Soil:** No data available.

### 13. DISPOSAL CONSIDERATIONS

**Waste Disposal Method:** Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. US EPA guidelines for the classification determination are listed in 40 CFR Parts 261. Additionally, waste generators must consult state and local hazardous waste regulations to ensure complete and accurate classification. Observe all federal, state, and local environmental regulations.

### 14. TRANSPORT INFORMATION

**LAND TRANSPORT (US DOT):**

**DOT Proper Shipping Name:** Not Regulated.

**DOT Hazard Class:**

**UN/NA Number:**

### 15. REGULATORY INFORMATION

**EPA SARA (Superfund Amendments and Reauthorization Act of 1986) Lists**

|              |   |                     |                  |                     |
|--------------|---|---------------------|------------------|---------------------|
| <b>CAS #</b> | <b>Hazardous Components (Chemical Name)</b> | <b>S. 302 (EHS)</b> | <b>S. 304 RQ</b> | <b>S. 313 (TRI)</b> |
| 68439-46-3   | Alcohol ethoxylate                          | No                  | No               | No                  |

**This material meets the EPA 'Hazard Categories' defined for SARA Title III Sections 311/312 as indicated:**

|   |  |
|---|--|
| <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Explosive                                     | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Acute toxicity (any route of exposure)                       |
| <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Flammable (gases, aerosols, liquid, or solid) | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Skin Corrosion or Irritation                                 |
| <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Oxidizer (liquid, solid or gas)               | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Serious eye damage or eye irritation                         |
| <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Self-reactive                                 | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Respiratory or Skin Sensitization                            |
| <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Pyrophoric (liquid or solid)                  | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Germ cell mutagenicity                                       |
| <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Pyrophoric gas                                | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Carcinogenicity  |
| <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Self-heating                                  | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Reproductive toxicity  |
| <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Organic peroxide                              | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Specific target organ toxicity (single or repeated exposure) |

- |   |   |   |   |
|---|---|---|---|
| <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | Corrosive to metal                                | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | Aspiration Hazard                               |
| <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | Gas under pressure (compressed gas)               | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | Simple Asphyxiant                               |
| <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | In contact with water emits flammable gas         | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | (Health) Hazard Not Otherwise Classified (HNOC) |
| <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | Combustible Dust                                  |   |   |
| <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | (Physical) Hazard Not Otherwise Classified (HNOC) |   |   |

|              |   |
|--------------|---|
| <b>CAS #</b> | <b>Hazardous Components (Chemical Name)</b> |
| 68439-46-3   | Alcohol ethoxylate                          |

**Other US EPA or State Lists**  
CWA NPDES: No; TSCA: Yes - Inventory; CA PROP.65: No;  
CA TAC, Title 8: No; MA Oil/HazMat: No; MI CMR, Part 5: No;  
NJ EHS: No; NY Part 597: No; PA HSL: No

## 16. OTHER INFORMATION

**Revision Date:** 03/09/2023

**Additional Information About This Product:** No data available.

**This Product:**

**Company Policy or**

**Disclaimer:**

While Morgan-Gallacher believes the statements set forth herein are accurate as of the date hereof, Morgan-Gallacher makes no warranty with respect thereto and expressly disclaims all liability for reliance thereon. Such data is offered solely for your consideration, investigation, and verification.