

**SAFETY DATA SHEET**  
OSHA HCS (29 CFR 1910.1200) & UN GHS Classification

**SECTION 1: IDENTIFICATION**

**Product Name:** Clean and Clear Live Enzyme Evacuation System Cleaner  
**Synonyms:** Clean and Clear  
**CAS Number:** See Section 3  
**Product Use:** Cleaning product  
**Manufacturer/Supplier:** Southland Distribution & Sales  
4003 Enterprise Court  
Augusta, GA 30907  
**General Information:** 800-880-0240  
**Transportation Emergency Number:** 800-880-0240

**SECTION 2: HAZARD(S) IDENTIFICATION**

**Symbols:** Hazard Symbol (Corrosives)



**DANGER**

**2.1 EMERGENCY OVERVIEW**

**Specific Physical Form:** Liquid

**Odor, Color, Grade:** Blue color. Wintergreen odor.

**General Physical Form:** Liquid

**Immediate health, physical and environmental hazards:** Causes serious eye damage.

**2.2 POTENTIAL HEALTH EFFECTS**

**Eye Contact:** Category 1

Moderate Eye Irritation: Signs/symptoms may include redness, swelling, pain, tearing and blurred or hazy vision.

**Skin Contact:** Category 1

Moderate Skin Irritation: Signs/symptoms may include localized redness, swelling, itching and dryness.

**Inhalation:** Category 2

Respiratory Tract Irritation: Signs/symptoms may include cough, sneezing, nasal discharge, headache, hoarseness and nose and throat pain.

**Ingestion:** Category 3

Gastrointestinal Irritation: Signs/symptoms may include abdominal pain, stomach upset, nausea, vomiting and diarrhea.

**Carcinogenic:** This product contains one or more chemicals known to the State of California to cause, cancer, birth defects, and/or other reproductive harm.

**2.3 POTENTIAL ENVIRONMENTAL EFFECTS**

**AQUATIC TOXICITY:**

H402: Harmful to aquatic life. H412: Harmful to aquatic life with long lasting effects

**ATMOSPHERIC FATE:**

This product has Zero Ozone Depletion Potential (ODP).

**SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS**

<u>INGREDIENT</u>	<u>C.A.S. No.</u>	<u>% by Wt</u>
Proprietary Surfactants	Trade Secret	1 - 10

**SECTION 4: FIRST-AID MEASURES****4.1 FIRST AID PROCEDURES**

The following first aid recommendations are based on an assumption that appropriate personal and industrial hygiene practices are followed.

**Eye Contact:** Flush eyes with large amounts of water for 15 minutes. Get immediate medical attention.

**Skin Contact:** Wash affected skin with soap and water. If symptoms occur obtain medical attention.

**Inhalation:** Remove person to fresh air. If symptoms occur obtain medical attention.

**Ingestion:** Do not induce vomiting. Seek medical attention.

**Most important symptoms and effects, both acute and delayed:** Contains Subtilisin (CAS No. 9014-01-1). May cause allergy or asthma symptoms or breathing difficulties if inhaled.

**4.2 NOTE TO PHYSICIANS**

Exposures resulting from intentional misuse and abuse may cause an increase in myocardial irritability. Do not administer sympathomimetic drugs unless absolutely necessary.

**SECTION 5: FIRE-FIGHTING MEASURES****Extinguishing Media**

- **Suitable Extinguishing Media** Non-combustible. As appropriate for surrounding fire.
- **Unsuitable Extinguishing Media** None anticipated.

**Special hazards arising from the substance or mixture**

None

**Advice for Fire-fighters**

Fire fighters should wear complete protective clothing, Including self-contained breathing apparatus.

**SECTION 6: ACCIDENTAL RELEASE MEASURES****Personal precautions, protective equipment and emergency procedures**

Do not get in eyes.

<b>Environmental precautions</b>	Prevent substance entering sewers.
<b>Methods and material for containment and cleaning up</b>	Contain and cover spilled substance with dry sand or earth  or other suitable dry material. Transfer to a container for disposal or recovery.
<b>Reference to other sections</b>	None
<b>Additional information</b>	None

## SECTION 7: HANDLING AND STORAGE

<b>Precautions for safe handling</b>	Do not get in eyes. Avoid breathing dust/fume/gas/mist/vapors/spray.
<b>Conditions for safe storage, including any Incompatibilities</b>	
- <b>Storage temperature</b>	Store at room temperature
- <b>Incompatible materials</b>	None
<b>Specific end use(s)</b>	Cleaning Product

## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 **ENGINEERING CONTROLS**- Not required.

### 8.2 **PERSONAL PROTECTIVE EQUIPMENT (PPE)**

#### 8.2.1 **Eye/Face Protection**

Avoid eye contact with vapors, mists or spray. The following eye protection(s) are recommended: Safety Glasses with side shields.

#### 8.2.2 **Skin Protection**

Protective gloves recommended (PVC, Nitrile rubber, Neoprene, Butyl rubber).

#### 8.2.3 **Respiratory Protection**

No special requirements under ordinary use conditions and with adequate ventilation. Check with protective equipment manufacturer's data.

#### 8.2.4 **Ventilation**

Good room ventilation should be sufficient. No special requirements under ordinary use conditions.

#### 8.2.5 **Environmental Exposure Controls**

Avoid release to the environment.

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

### Information on basic physical and chemical properties

Appearance	Liquid
Color	Clear Blue
Odor	Slight Mint
Odor Threshold (ppm)	Not available
pH (Value)	7.2
Melting Point (°C) / Freezing Point (°C)	~0 (32°F)
Boiling Point/boiling range (°C)	~100 (212° F)
Flash Point (°C)	Non-combustible
Evaporation Rate	~that of water
Flammability (solid, gas)	Not applicable
Explosive Limit Ranges	Not applicable
Vapor Pressure	~that of water
Vapor Density (Air=1)	~that of water
Density (g/ml)	Not available
Solubility (Water)	Soluble
Solubility (Other)	Not known
Partition Coefficient (nOctanol/water)	Not available
Auto Ignition Point (°C)	Non-combustible
Decomposition Temperature (°C)	Not available
Kinematic Viscosity (cSt) @ 40°C	Not available
Explosive properties	Not explosive
Oxidizing properties	Not oxidizing

## SECTION 10: STABILITY AND REACTIVITY

<b>Reactivity</b>	Stable under normal conditions.
<b>Chemical Stability</b>	Stable
<b>Possibility of Hazardous Reactions</b>	None anticipated.
<b>Conditions to Avoid</b>	None known
<b>Incompatible materials</b>	None
<b>Hazardous decomposition product(s)</b>	Carbon monoxide, carbon dioxide, Other

## SECTION 11: TOXICOLOGICAL INFORMATION

### Information on Toxicological Effects:

Acute toxicity (calculated/estimated)	Oral LD50>2000 mg/kg Dermal LD50>2000 mg/kg Inhalation LCC50>20 mg/L (4 hr.)
Irritation / Corrosivity	Causes serious eye damage. Unlikely to cause skin irritation.
Sensitization	Contains: Subtilisin (CAS No. 9014-01-1). May cause allergy or asthma symptoms or breathing difficulties if inhaled.
Repeated dose toxicity	Not to be expected
Carcinogenicity	It is unlikely to present a carcinogenic hazard to humans.
Mutagenicity	Not to be expected.
Toxicity for reproduction	Not be e expected.

**SECTION 12: ECOLOGICAL INFORMATION\* (non-mandatory)****Ecotoxicity**

Acute toxicity (calculated / estimated)	LC50 (96 hour): >100 mg/l (Fish) EC50 (48 hour): >100 mg/l (crustacea) EC50 (96 hour): >100 mg/l (Algae)
Long Term Toxicity	No data
Persistence and degradability	Biodegradable
Bioaccumulative potential	The product has no potential for bioaccumulation.
Mobility in soil	The product has high mobility in soil.
Results of PBT and vPvB assessment	Not classified as PBT or vPvB.
Other adverse effects	None known.

**SECTION 13: DISPOSAL CONSIDERATIONS\* (non-mandatory)**

Waste treatment methods	Disposal should be in accordance with local, state or national legislation. Consult an accredited waste disposal contractor or the local authority for advice.
Additional Information	None known.

**SECTION 14: TRANSPORT INFORMATION\* (non-mandatory)**

	<b>Land transport (U.S. DOT)</b>	<b>Sea transport (IMDG)</b>	<b>Air transport (ICAO/IATA)</b>
<b>UN number</b>	<b>Not classified as dangerous for transport.</b>		
<b>Proper Shipping Name</b>	<b>Not classified as dangerous for transport.</b>		
<b>Transport hazard class(es)</b>	<b>Not classified as dangerous for transport.</b>		
<b>Packing group</b>	<b>Not classified as dangerous for transport.</b>		
<b>Environmental hazards</b>	<b>Not classified as dangerous for transport.</b>		
<b>Special precautions for user</b>	<b>Not classified as dangerous for transport.</b>		
<b>Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code:</b>	<b>Not applicable</b>		

**SECTION 15: REGULATORY INFORMATION\* (non-mandatory)**

\*\* Note: Since other Agencies regulate this information, OSHA will not be enforcing Sections 12 through 15 (29CFR 1910.1200 (g) (2)).

**Safety, health and environmental regulations/legislation specific for the substance or mixture:**

**TSCA (Toxic Substance Control Act) - Inventory Status:** All components listed or polymer exempt.

**Designated Hazardous Substances and Reportable Quantities (40 CFR 302.4):**

Chemical Name	CAS No.	Typical %wt.	RQ (Pounds)
None	-----	-----	-----

**SARA 311/312 - Hazard Categories:**

Fire       Sudden Release       Reactivity       Immediate  
 (acute)       Chronic (delayed)

**SARA 313 - Toxic Chemicals (40 CFR 372):**

Chemical Name	CAS No.	Typical %wt.
None	-----	-----

**SARA 302 - Extremely Hazardous Substances(40 CFR 355):**

Chemical Name	CAS No.	Typical %wt.
None	-----	-----

**Proposition 65 (California):**

Chemical Name	CAS No.	Typical %wt.	Hazards
1,4-Dioxane	123-91-1	<0.001%	Cancer

**SECTION 16: OTHER INFORMATION**

**Additional Information:**                      None

**Date of Preparation:**                      November 16, 2017

**The following sections contain revisions or new statements: Section 2 – Add Pictogram; Section 3 – More specifically define ingredient.**

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