

# Symion Matrix Bio-Enzymatic Odor Digester

## Safety Data Sheet

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### 1. IDENTIFICATION OF THE MIXTURE AND SUPPLIER

**GHS Product Identifier:**

**Recommended use and restrictions:**

**Manufacturer:** Ridgway Industries, Inc  
P.O. Box 660, Darby PA 19023  
800-479-9548

Symion Matrix Odor Digester

Liquid preparation containing naturally occurring bacterial cultures used to eliminate and control odors.

**Supplier:**

**Emergency Phone Number**

**PERS - 800-633-8253 Contract # 9107**

### 2. HAZARDS IDENTIFICATION

<b>GHS Classification</b>	Not Classified	
<b>GHS Label Elements</b>		
<b>Signal Word:</b>	None	
<b>Symbols:</b>	None	
<b>Hazard Statements:</b>	May cause skin and eye irritation	
<b>Precautionary Statements</b>		
<b>Prevention:</b>	Avoid contact with eyes and skin.	
<b>Response:</b>	Wash hands thoroughly after use.	

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### 3. COMPOSITION/INFORMATION ON INGREDIENTS

<b>Hazardous Ingredients</b>	<b>Concentration Range (%)</b>	<b>CAS number</b>
Benzenesulfonic acid, C10-C16, alkyl derivatives	1-5	68584-22-5
Benzene, 1-1 -oxybis-, tetrapropylene derivatives, sulfonated, sodium salts	1-5	119345-14-9
Alcohols, C9-11, ethoxylated	1-5	68439-46-3
Sodium Hydroxide	1-5	1310-73-2

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### 4. FIRST AID MEASURES

<b>Eye Contact:</b>	Rinse with water for a few minutes. Consult physician if symptoms occur.		
<b>Skin Contact:</b>	Rinse with water. Consult physician if symptoms occur		
<b>Inhalation:</b>	Move to a ventilated location. Consult physician if symptoms occur.		
<b>Ingestion:</b>	Get medical attention if symptoms occur.		

## ***Symion Matrix Bio-Enzymatic Odor Digester***

### **5. FIRE FIGHTING MEASURES**

#### **FIRE & EXPLOSION PREVENTIVE MEASURES**

Isolate from alkalis, oxidizers, extreme heat, and open flame.

#### **EXTINGUISHING MEDIA**

In case of fire, use appropriate extinguishing agent for surrounding fires. Carbon dioxide, dry chemical powder, alcohol resistant foam or water spray.

#### **SPECIAL FIRE FIGHTING PROCEDURES**

Wear self-contained respirator and fully protective impervious suit.

#### **UNUSUAL EXPLOSION AND FIRE PROCEDURES**

May emit hazardous fumes under fire conditions.

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### **6. ACCIDENTAL RELEASE MEASURES**

#### **SPILL AND LEAK RESPONSE AND ENVIRONMENTAL PRECAUTIONS:**

Uncontrolled releases should be responded to by trained personnel using pre-planned procedures. Proper protective equipment should be used. In case of a spill, clear the affected area, protect people, and respond with trained personnel.

#### **PERSONAL PROTECTIVE EQUIPMENT**

Wear a self-contained breathing apparatus, rubber boots and gloves, and disposable coveralls. Dispose of coveralls after use.

Keep unprotected persons away.

#### **ENVIRONMENTAL PRECAUTIONS:**

Keep spills out of sewers and bodies of water. Dike and contain the spill with inert material. Absorb on sand, vermiculite or diatomite. Transfer material to a container for disposal or recovery. Ventilate area and wash spill site after material pickup is complete.

#### **CONTAINMENT AND CLEAN-UP MEASURES:**

Absorb spilled liquid with polypads or other suitable absorbent materials. If necessary, neutralize using suitable buffering material, (acid with soda ash or base with phosphoric acid), and test area with litmus paper to confirm neutralization. Clean up with non-combustible absorbent (such as: sand, soil, and so on). Shovel up and place all spill residue in suitable containers. dispose of at an appropriate waste disposal facility according to current applicable laws and regulations and product characteristics at time of disposal (see Section 13 - Disposal Considerations).

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### **7. HANDLING AND STORAGE**

#### **HANDLING:**

Avoid breathing dust, vapor, mist or gas. Avoid contact with skin and eyes. Avoid prolonged or repeated exposure. Open and handle container with care. Keep ignition sources away.

#### **STORAGE**

Store in a tightly closed container in a dry, well-ventilated place.

#### **STORAGE TEMPERATURE:**

15 – 30°C

### **8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

#### **PERSONAL PROTECTIVE EQUIPMENT:**

The user, as part of a formal exposure risk assessment, should decide upon the provision of personal protective equipment and the need to provide engineering control measures. Based upon the available toxicological information the protective measures described below should be regarded as a minimum.

#### **RESPIRATORY PROTECTION:**

Use a NIOSH approved respirator when exposure limits are exceeded or if irritation or other symptoms are experienced..

#### **EYE PROTECTION:**

Wear goggles or safety glasses when using this product. Make sure that there is an eyewash facility in your vicinity.

#### **SKIN PROTECTION:**

Wear impervious gloves and protective clothing.

#### **WORK & HYGIENIC PRACTICES:**

Provide readily accessible eye wash stations & safety showers. Wash at end of each shift & before eating, smoking or using the toilet. Launder clothes that have become contaminated.

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### **9. PHYSICAL AND CHEMICAL PROPERTIES**

<b>Appearance (physical state, color, etc.):</b>	White Liquid
<b>Odor:</b>	Pleasant Odor
<b>Odor threshold:</b>	Not Available
<b>pH:</b>	6.5 – 8.5
<b>Melting point/freezing point:</b>	Not Determined
<b>Initial boiling point and boiling range:</b>	Not Determined
<b>Flash point:</b>	Not Determined
<b>Evaporation rate:</b>	Not Determined
<b>Flammability (solid, gas):</b>	Not Applicable
<b>Upper/lower flammability or explosive limits:</b>	Not Determined
<b>Vapor pressure:</b>	Equivalent to water
<b>Vapor density:</b>	Not Applicable
<b>Relative density:</b>	1.015
<b>Solubility(ies):</b>	Dispersible in water
<b>Partition coefficient: n-octanol/water:</b>	Not Determined
<b>Autoignition temperature:</b>	Not Determined
<b>Decomposition temperature:</b>	Not Determined

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### **10. STABILITY AND REACTIVITY**

#### **STABILITY**

Stable under normal temperatures and pressures.

#### **CONDITIONS TO AVOID**

Isolate from extreme heat and open flame.

#### **MATERIALS TO AVOID**

## ***Symion Matrix Bio-Enzymatic Odor Digester***

Strong oxidizing agents, acids and bases.

### **HAZARDOUS DECOMPOSITION PRODUCTS**

Carbon Oxides, Sodium Oxides, Sulfur Oxides from heating.

### **HAZARDOUS POLYMERIZATION**

Will not occur.

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## **11. TOXICOLOGICAL INFORMATION**

### **ACUTE HAZARDS**

#### **EYE & SKIN CONTACT:**

Eye and Skin irritation.

#### **INHALATION:**

May cause irritation.

#### **SWALLOWING:**

May be harmful if swallowed.

### **SUBCHRONIC HAZARDS/CONDITIONS AGGRAVATED**

#### **CONDITIONS AGGRAVATED:**

None Known.

### **CHRONIC HAZARDS**

#### **CANCER, REPRODUCTIVE & OTHER CHRONIC HAZARDS:**

Not available.

### **MAMMALIAN TOXICITY INFORMATION**

Not available.

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## **12. ECOLOGICAL INFORMATION**

Toxicity:	Not Available
Persistence and degradability:	Not Available
Bioaccumulative potential:	Not Available
Bioconcentration factor (BCF):	Not Available
Mobility in soil:	Not Available
PBT and vPvB assessment:	Not Available
Other adverse effects:	Not Available

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## **13. DISPOSAL CONSIDERATIONS**

Contact a licensed professional waste disposal service. Dispose in a manner consistent with federal, state and local environmental regulations.

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## **14. TRANSPORT INFORMATION**

## ***Symion Matrix Bio-Enzymatic Odor Digester***

DOT: Not Regulated  
IATA: Not Regulated  
IMDG: Not Regulated

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### **15. REGULATORY INFORMATION**

#### **United States:**

Toxic Substance Control Act (TSCA): Listed  
Superfund Amendments and Reauthorization Act (SARA 302): Not listed  
Superfund Amendments and Reauthorization Act (SARA 311/312): Not listed  
Superfund Amendments and Reauthorization Act (SARA 313): Not listed

#### **European Union:**

European Inventory of Existing Chemical Substances (EINECS): No. 246-680-4  
Hazard Codes: Xn  
Risk Statements: 22-37/38-41  
Safety Statements: 26-27-36/37/39

#### **Canada**

Canadian Domestic Substances List (DSL): Some materials not Listed

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### **16. OTHER INFORMATION**

#### **HAZARD RATINGS:**

**HEALTH (NFPA): 2, HEALTH (HMIS): 2, FLAMMABILITY: 0, PHYSICAL HAZARD: 0 (at 10x)**

**HEALTH (NFPA): 1, HEALTH (HMIS): 1, FLAMMABILITY: 0, PHYSICAL HAZARD: 0 (at RTU)**

(Personal Protection Rating to be supplied by user based on use conditions.) This information is intended solely for the use of individuals trained in the NFPA & HMIS hazard rating systems.

#### **EMPLOYEE TRAINING**

See Section 2 for Risk & Safety Statements. Employees should be made aware of all hazards of this material (as stated in this SDS) before handling it.

**Date Prepared: 06/04/04 CD**

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This document is drafted based on the present state of our knowledge at the time of publication. It is given in good faith and neither implies nor expresses any warranty in regards to product quality or specification. The user must satisfy himself that the product is suitable for a given application.