

Version Number: 1

Preparation date: 2005-09-14

**1. PRODUCT AND COMPANY IDENTIFICATION**

<b>Product name:</b>	SPRAYZYME Odor Counteractant
<b>MSDS #:</b>	MS0600070
<b>Product code:</b>	U22995
<b>Recommended use:</b>	Odor Control .
<b>Manufacturer, importer, supplier:</b>	Unisource Worldwide, Inc. 6600 Governors Lake Parkway Norcross, GA 30071 Phone: 770-447-9000 MSDS Internet Address: www.unisourcelink.com
<b>Emergency telephone number:</b>	1-888-660-6737

**2. HAZARDS IDENTIFICATION**
**EMERGENCY OVERVIEW**

- CAUTION
- MAY CAUSE EYE IRRITATION

<b>Principle routes of exposure:</b>	<ul style="list-style-type: none"> <li>• Eyes</li> <li>• Skin</li> <li>• Inhalation</li> </ul>
<b>Inhalation:</b>	• May be irritating to nose, throat, and respiratory tract
<b>Ingestion:</b>	• May be irritating to mouth, throat and stomach
<b>Skin contact:</b>	• May be mildly irritating to skin
<b>Eye contact:</b>	• May be mildly irritating to eyes

**3. COMPOSITION/INFORMATION ON INGREDIENTS**
**HAZARDOUS COMPONENTS**

Ingredient	CAS #	Weight %
Bacterial Cultures	TS*	0.1 - 1.5%

**HAZARDOUS COMPONENTS**

Ingredient	LD50 Oral	LD50 Dermal	LC50 Inhalation
Bacterial Cultures	Not available	Not available	Not available

**4. FIRST AID MEASURES**

<b>Eye contact:</b>	<ul style="list-style-type: none"> <li>• Flush immediately with plenty of water</li> <li>• Get medical attention if irritation occurs</li> </ul>
<b>Skin contact:</b>	<ul style="list-style-type: none"> <li>• Flush immediately with plenty of water</li> <li>• Get medical attention if irritation occurs</li> </ul>
<b>Inhalation:</b>	<ul style="list-style-type: none"> <li>• If breathing is affected, remove to fresh air</li> <li>• Get medical attention</li> </ul>
<b>Ingestion:</b>	<ul style="list-style-type: none"> <li>• Immediately drink one cupful of water or milk</li> <li>• Never give anything by mouth to an unconscious person</li> <li>• Get medical attention</li> </ul>
<b>Aggravated Medical Conditions:</b>	• Persons with pre-existing skin disorders may be more susceptible to irritating effects

**5. FIRE-FIGHTING MEASURES**

<b>Suitable extinguishing media:</b>	<ul style="list-style-type: none"> <li>• The product is not flammable</li> <li>• Use dry chemical, CO<sub>2</sub>, water spray or "alcohol" foam</li> </ul>
<b>Specific hazards:</b>	• Not applicable

<b>Unusual hazards:</b>	<ul style="list-style-type: none"> <li>• None known</li> </ul>
<b>Specific methods:</b>	<ul style="list-style-type: none"> <li>• No special methods required</li> </ul>
<b>Special protective equipment for firefighters:</b>	
As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear	
<b>Extinguishing media which must not be used for safety reasons:</b>	
No information available	

### 6. ACCIDENTAL RELEASE MEASURES

<b>Personal precautions:</b>	<ul style="list-style-type: none"> <li>• Put on appropriate personal protective equipment (see Section 8.)</li> </ul>
<b>Environmental precautions and clean-up methods:</b>	<ul style="list-style-type: none"> <li>• Clean-up methods - large spillage</li> <li>• Prevent product from entering drains</li> <li>• Soak up with inert absorbent material</li> <li>• Sweep up and shovel into suitable containers for disposal</li> <li>• Use a water rinse for final clean-up</li> </ul>

### 7. HANDLING AND STORAGE

<b>Handling:</b>	<ul style="list-style-type: none"> <li>• Avoid contact with skin, eyes and clothing</li> <li>• Avoid contact with eyes, open cuts or sores. Wash thoroughly after handling. Avoid use and contact of product with immunocompromised individuals. Do not reuse this packaging for storing beverages or liquids. Contains: Bacterial cultures and surfactants</li> </ul>
FOR COMMERCIAL AND INDUSTRIAL USE ONLY	
<b>Storage:</b>	<ul style="list-style-type: none"> <li>• Protect from freezing</li> <li>• Keep tightly closed in a dry, cool and well-ventilated place</li> <li>• Do not contaminate food or feed by storage or disposal</li> <li>• Keep out of the reach of children</li> </ul>

### 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

<b>Engineering measures to reduce exposure:</b>	
<ul style="list-style-type: none"> <li>• No special ventilation requirements</li> <li>• General room ventilation is adequate</li> </ul>	
<b>Personal Protective Equipment</b>	
<b>Eye protection:</b>	<ul style="list-style-type: none"> <li>• No special requirements under normal use conditions</li> </ul>
<b>Hand protection:</b>	<ul style="list-style-type: none"> <li>• No special requirements under normal use conditions</li> </ul>
<b>Skin and body protection:</b>	<ul style="list-style-type: none"> <li>• No special requirements under normal use conditions</li> <li>• If major exposure is possible, wear suitable protective clothing and footwear</li> </ul>
<b>Respiratory protection:</b>	<ul style="list-style-type: none"> <li>• No special requirements under normal use conditions</li> </ul>
<b>Hygiene measures:</b>	<ul style="list-style-type: none"> <li>• Handle in accordance with good industrial hygiene and safety practice</li> </ul>

#### Personal protective equipment

### 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Physical State:</b>	Liquid	<b>Appearance:</b>	Aqueous solution
<b>Color:</b>	White	<b>Odor:</b>	Floral
<b>Specific gravity:</b>	1.0	<b>pH:</b>	7.5
<b>Dilution pH:</b>	No information available	<b>Density:</b>	8.33
<b>Bulk density:</b>	No information available	<b>Vapor density:</b>	No information available
<b>Evaporation rate:</b>	No information available	<b>Solubility:</b>	Soluble
<b>VOC:</b>	0	<b>Viscosity:</b>	No information available
<b>Solubility in other solvents:</b>	No information available		
<b>Partition coefficient (n-octanol/water):</b>	No information available		

<b>Boiling point/range:</b>	Not determined
<b>Melting point/range:</b>	Not determined
<b>Flash point:</b>	>200 (°F)>93.3 (°C)
<b>Decomposition temperature:</b>	Not determined
<b>Autoignition temperature:</b>	No information available

### 10. STABILITY AND REACTIVITY

<b>Stability:</b>	• The product is stable
<b>Polymerization:</b>	• Hazardous polymerisation does not occur
<b>Hazardous decomposition products:</b>	• None reasonably foreseeable

### 11. TOXICOLOGICAL INFORMATION

<b>Acute toxicity</b>	• Oral • LD50 estimated to be greater than 5000 mg/kg
<b>Component Information:</b>	• See Section 3
<b>Chronic toxicity:</b>	• None known
<b>Specific effects</b>	
<b>Carcinogenic effects:</b>	• None known
<b>Mutagenic effects:</b>	• None known
<b>Reproductive toxicity:</b>	• None known
<b>Target organ effects:</b>	• None known

### 12. ECOLOGICAL INFORMATION

<b>Environmental Information:</b>	• no data available
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### 13. DISPOSAL CONSIDERATIONS

<b>Waste from residues / unused products:</b>	Dispose of according to all federal, state and local applicable regulations
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### 14. TRANSPORT INFORMATION

<b>DOT/TDG:</b>	• Please refer to the Bill of Lading/receiving documents for up to date shipping information
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### 15. REGULATORY INFORMATION

<b>International Inventories</b>	
All components of this product are listed on the following inventories: U.S.A. (TSCA).	
<b>U.S. Regulations</b>	
<b>California Proposition 65:</b> This product is not subject to the reporting requirements under California's Proposition 65	
<b>SARA 311/312 Hazard Categories</b>	
<b>Immediate:</b>	N
<b>Delayed:</b>	N
<b>Fire:</b>	N
<b>Reactivity:</b>	N
<b>Sudden Release of Pressure:</b>	N

<b>Canada</b>	
<b>WHMIS hazard class:</b>	Not for sale in Canada .

### STATE RIGHT TO KNOW

Ingredient	CAS #	NJRTK:	MARTK:	PARTK:	RIRTK:	ILRTK:	CTRRTK:
Bacterial Cultures	TS*	-	-	-	-	-	-
Water	7732-18-5	-	-	-	-	-	-

CERCLA / SARA

CAA HAP/CAA ODS/CWA Priority Pollutants: None

16. OTHER INFORMATION						
<b>HMIS</b>	<b>Health</b>	1	<b>Fire Hazard</b>	0	<b>Reactivity</b>	0
<b>NFPA</b>	<b>Health:</b>	1	<b>Flammability:</b>	0	<b>Instability:</b>	0
<b>Reason for revision:</b>		Not applicable				
<b>Prepared by:</b>		NAPRAC				
<b>Additional advice:</b>		None				
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