





# Material Safety Data Sheet

This MSDS is prepared in accordance with OSHA 29 CFR 1910.1200

	Not controlled under WHMIS (Canada).	Not controlled under the HCS (United States).
WHMIS (Pictograms)	WHMIS (Classification)	HCS

## Section 1. Chemical Product and Company Identification

<b>Product Name/ Trade name</b>	<b>Urinal Screen With O3Z Enzymatic Block</b>	<b>Code</b>	<b>250</b>
<b>Synonym</b>	Urinal Screen With O3Z Enzymatic Block	<b>CAS #</b>	Not applicable.
<b>Chemical Family</b>	Not available.	<b>Validation Date</b>	5/5/2003
<b>Chemical Formula</b>	Not applicable.	<b>Print Date</b>	3/27/2004
<b>Manufacturer/ Supplier</b>	Betco Corporation 1001 Brown Avenue Toledo, Ohio 43607 (419) 241-2156	<b>In Case of Emergency</b>	Chemtrec (800) 424-9300
<b>TSCA</b>	TSCA Inventory: All components listed or are exempt from listing.		
<b>DSL/ NDSL</b>	All components listed unless noted elsewhere on this MSDS		
		<b>Protective Clothing</b>	
			

## Section 2. Composition and Information on Ingredients

Name	CAS #	% by Weight	Exposure Limits	LC <sub>50</sub> /LD <sub>50</sub>
1) Sodium Sulfate	7757-82-6	>50	Not available.	Not available.
2) Polyethylene Glycol	25322-68-3	<10	Not available.	Not available.
3) Nonionic Surfactant	9003-11-6	<10	Not available.	Not available.
4) Industrial Soap	N/A	<10	Not available.	Not available.
5) Polymeric Dyes	N/A	<10	Not available.	Not available.
6) Malodor Counteractant	N/A	<5	Not available.	Not available.
7) Live Bacteria Dispersion	N/A	<4	Not available.	Not available.
8) Perfume Oil	N/A	<1	Not available.	Not available.

## Section 3. Hazards Identification

<b>Potential Acute Health Effects</b>	No specific information is available in our database regarding the acute toxic effects of this material for humans.
<b>Potential Chronic Health Effects</b>	Repeated skin exposure can produce local skin destruction, or dermatitis.
<b>Carcinogenic Effects</b>	Not classified or listed by IARC, NTP, OSHA, EU and ACGIH.

## Section 4. First Aid Measures

<b>Eye Contact</b>	Remove contact lenses. Flush with large quantities of water. Seek medical attention if irritation persists.
<b>Skin Contact</b>	Wash with soap and water. Seek medical attention if irritation persists.
<b>Inhalation</b>	N/A
<b>Ingestion</b>	Induce vomiting. Seek medical attention immediately.

### Section 5. Fire Fighting Measures

Products of Combustion	Not available.
Fire Fighting Media and Instructions	Water spray, carbon dioxide, dry chemical.
Special Remarks on Fire Hazards	Full protective equipment.
Special Remarks on Explosion Hazards	None known.

### Section 6. Accidental Release Measures

Small Spill and Leak	N/A
Large Spill and Leak	Use a shovel to put the material into a convenient waste disposal container.
Personal Protection in Case of a Large Spill	Splash goggles. Full suit. Boots. Gloves. Suggested protective clothing might not be sufficient; consult a specialist BEFORE handling this product.

### Section 7. Handling and Storage

Precautions	Keep away from heat. Keep away from sources of ignition. Empty containers pose a fire risk, evaporate the residue under a fume hood. Ground all equipment containing material. DO NOT breathe dust.
Incompatibility	None known.
Storage	Keep out of the reach of children. Not for use or storage in or around the home.

### Section 8. Exposure Controls/Personal Protection

Engineering Controls Good general ventilation should be sufficient to control airborne levels.

#### Personal Protection

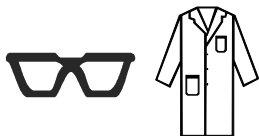
*Eyes* Safety glasses.

*Body*

*Respiratory* Not applicable.

*Hands* Not applicable.

#### Protective Clothing (Pictograms)



Exposure Limits Not available.

### Section 9. Physical and Chemical Properties

Physical State and Appearance	Solid.	Odor	Fruity. (Strong.)
Molecular Weight	Not applicable.	Taste	Not available.
pH	Not available.	Color	Solid Disk
Boiling/Condensation Point	N/A		
Melting/Freezing Point	Not available.		
Critical Temperature	Not available.		
Instability Temperature	Not available.		
Specific Gravity	1.2 (Water = 1)		

<b>Vapor Pressure</b>	N/A
<b>Vapor Density</b>	<1 (Air = 1)
<b>Volatility</b>	Not available.
<b>VOC</b>	Not available.
<b>Evaporation Rate</b>	<1
<b>Dispersion Properties</b>	See solubility in water.
<b>Solubility</b>	Easily soluble in cold water.
<b>The Product is:</b>	May be combustible at high temperature.
<b>Auto-ignition Temperature</b>	Not available.
<b>Flash Points</b>	Not available.
<b>Flammable Limits</b>	Not available.
<b>Fire Hazards in Presence of Various Substances</b>	No specific information is available in our database regarding the flammability of this product in presence of various materials.
<b>Explosion Hazards in Presence of Various Substances</b>	Not applicable

### **Section 10. Stability and Reactivity Data**

**Stability** The product is stable.

**Incompatibility with Various Substances** None known.

**Hazardous Decomposition Products** Will not occur.

### **Section 11. Toxicological Information**

**Routes of Entry** NONE

**Toxicity to Animals** LD50: Not available.  
LC50: Not available.

#### **Acute Effects on Humans**

*Eyes* May be irritating to the eyes. May cause redness.

*Skin* May be irritating to the skin. May cause redness.

*Inhalation* N/A

*Ingestion* May cause nausea, abdominal pain, diarrhea, and vomiting.

**Chronic Effects on Humans** Repeated skin exposure can produce local skin destruction, or dermatitis.

**Special Remarks on Toxicity to Animals** No additional remark.

**Special Remarks on Chronic Effects on Humans** No additional remark.



**Section 12. Ecological Information**

Ecotoxicity	Not available.
BOD5 and COD	Not available.
Products of Biodegradation	Possibly hazardous short term degradation products are not likely. However, long term degradation products may arise.
Toxicity of the Products of Biodegradation	Not available.
Special Remarks on the Products of Biodegradation	No additional remark.


**Section 13. Disposal Considerations**

Waste Information	Any method in accordance with applicable laws.
Waste Stream	Not available.

**Section 14. Transport Information**

DOT (U.S.A) (Pictograms)		
TDG Classification	Not controlled under TDG (Canada).	
PIN UN, Proper Shipping Name, PG	Not applicable.	
Maritime Transportation	Not available.	
Special Provisions for Transport	Not applicable.	

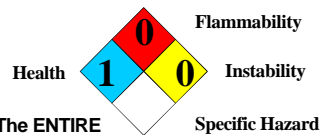
**Section 15. Other Regulatory Information and Pictograms**

WHMIS (Classification)	Not controlled under WHMIS (Canada).	
Regulatory Lists	No products were found.	
Other Regulations		
Other Classifications	HCS (U.S.A.)	Not controlled under the HCS (United States).
	USA Regulatory Lists	
	DSD (EEC)	
International Regulations Lists	No products were found.	

**Hazardous Material  
Information System  
(U.S.A.)**

Health	1
Flammability	0
Physical Hazard	0

**National Fire  
Protection  
Association (U.S.A.)**



The Hazard Ranking systems presented on this MSDS provide only a quick reference for hazard information. The ENTIRE MSDS must be consulted to determine any specific hazards, First Aid measures, and PPE associated with this product.

**Section 16. Other Information**

Validated by CRushton on 5/5/2003.

Verified by CRushton.

Printed 3/27/2004.

**Information Contact** Betco Corporation  
1001 Brown Avenue  
Toledo, Ohio 43607

Notice to Reader

*To the best of our knowledge, the information contained herein is accurate. However, neither the above named supplier nor any of its subsidiaries assumes any liability whatsoever for the accuracy or completeness of the information contained herein.*

*Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.*

Validated on 5/5/2003.

**Urinal Screen With O3Z Enzymatic Block**

Page: 5/5

**Continued on Next Page**