



# Material Safety Data Sheet

This MSDS is prepared in accordance with OSHA 29 CFR 1910.1200

	<b>CLASS D-2B: Material causing other toxic effects (TOXIC).</b>	HCS Class: Irritating substance.
WHMIS (Pictograms)	WHMIS (Classification)	HCS

## Section 1. Chemical Product and Company Identification

<b>Product Name/ Trade name</b>	<b>Fiber Pro Enzyme Deodorizer</b>	<b>Code</b>	<b>418</b>
<b>Synonym</b>	Not available.	<b>CAS #</b>	Mixture.
<b>Chemical Family</b>	Not available.	<b>Validation Date</b>	3/2/2007
<b>Chemical Formula</b>	Not applicable.	<b>Print Date</b>	3/23/2007
<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>
Live Bacteria Dispersion	N/A	1-5	Not available.	Not available.
Nonionic Surfactant	9016-45-9	1-5	Not available.	Not available.
Isopropyl Alcohol	67-63-0	1-2	TWA: 400 (ppm) TWA: 400 (ppm) from OSHA (PEL) [United States] STEL: 500 (ppm)	ORAL (LD50): Acute: 16971 mg/kg [Rat].

## Section 3. Hazards Identification

<b>Potential Acute Health Effects</b>	Skin and eye irritant. EYE CONTACT MAY RESULT IN INFECTION. Harmful if swallowed.
<b>Potential Chronic Health Effects</b>	There is no known effect from chronic exposure to this product.
<b>Carcinogenic Effects</b>	Not classified or listed by IARC, NTP, OSHA, EU and ACGIH.

## Section 4. First Aid Measures

<b>Eye Contact</b>	In case of contact with eyes, rinse immediately with plenty of water. Seek medical attention.
<b>Skin Contact</b>	After contact with skin, wash immediately with plenty of water.
<b>Inhalation</b>	Evacuate the victim to a safe area as soon as possible.
<b>Ingestion</b>	Have conscious person drink several glasses of water or milk. Seek immediate medical attention.

### Section 5. Fire Fighting Measures

Products of Combustion	Not available.
Fire Fighting Media and Instructions	Non-flammable substance.
Special Remarks on Fire Hazards	No additional remark.
Special Remarks on Explosion Hazards	No additional remark.

### Section 6. Accidental Release Measures

Small Spill and Leak	Absorb with an inert material and put the spilled material in an appropriate waste disposal.
Large Spill and Leak	Absorb with an inert material and put the spilled material in an appropriate waste disposal.
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	Do not ingest. Do not breathe gas/fumes/ vapor/spray. If ingested, seek medical advice immediately and show the container or the label.
Incompatibility	No incompatible product according to our data base.
Storage	Keep out of reach of children. Keep container tightly closed and in a well-ventilated place. Keep away from food, drink and animal feeding stuffs.

### Section 8. Exposure Controls/Personal Protection

Engineering Controls	Good general ventilation should be sufficient to control airborne levels.
Personal Protection	
<i>Eyes</i>	Safety glasses.
<i>Body</i>	Lab coat.
<i>Respiratory</i>	Wear appropriate respirator when ventilation is inadequate.
<i>Hands</i>	Gloves (impervious).

Protective Clothing (Pictograms)



Exposure Limits Not available.

### Section 9. Physical and Chemical Properties

Physical State and Appearance	Liquid	Odor	Pleasant.
Molecular Weight	Not applicable.	Taste	Not available.
pH	6.0 - 8.0	Color	White.
Boiling/Condensation Point	Not available.		
Melting/Freezing Point	Not available.		
Critical Temperature	Not available.		
Instability Temperature	Not available.		
Specific Gravity	1 (Water = 1)		

<b>Vapor Pressure</b>	Not available.
<b>Vapor Density</b>	Not available.
<b>Volatility</b>	Not available.
<b>VOC</b>	Not available.
<b>Evaporation Rate</b>	Not available.
<b>Dispersion Properties</b>	Dispersed in cold water, hot water, methanol, diethyl ether, n-octanol, acetone.
<b>Solubility</b>	Not available.
<b>The Product is:</b>	Non-flammable.
<b>Auto-ignition Temperature</b>	Not applicable.
<b>Flash Points</b>	Not applicable.
<b>Flammable Limits</b>	Not applicable.
<b>Fire Hazards in Presence of Various Substances</b>	Non-flammable.
<b>Explosion Hazards in Presence of Various Substances</b>	Not Applicable

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

<b>Stability</b>	The product is stable.
<b>Incompatibility with Various Substances</b>	No incompatible product according to our data base.
<b>Hazardous Decomposition Products</b>	Not available.

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

<b>Routes of Entry</b>	Not available.
<b>Toxicity to Animals</b>	Acute oral toxicity (LD50): 3030 mg/kg [Rat]. (Tetrasodium salt of ethylenediaminetetraacetic acid).
<b>Acute Effects on Humans</b>	<p><i>Eyes</i> This product may irritate eyes upon contact. Contact with eyes may result in infection.</p> <p><i>Skin</i> Slightly irritating</p> <p><i>Inhalation</i> According to our data base, the product will not easily enter the human body.</p> <p><i>Ingestion</i> Irritating to mouth, throat and stomach.</p>
<b>Chronic Effects on Humans</b>	There is no known effect from chronic exposure to this product.
<b>Special Remarks on Toxicity to Animals</b>	No additional remark.
<b>Special Remarks on Chronic Effects on Humans</b>	No additional remark.

## Section 12. Ecological Information

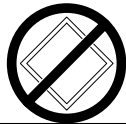
Ecotoxicity	Not available.
BOD5 and COD	Not available.
Products of Biodegradation	Possibly hazardous short term degradation products are not likely. However, long term degradation products may arise.
Toxicity of the Products of Biodegradation	as toxic as the original product.
Special Remarks on the Products of Biodegradation	Not available.

## Section 13. Disposal Considerations

Waste Information	Waste must be disposed of in accordance with federal, state and local environmental control regulations.
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) CLASS D-2B: Material causing other toxic effects (TOXIC).



Regulatory Lists No products were found.

Other Regulations Not available. or of its ingredients

Other Classifications

HCS (U.S.A.)

HCS Class: Irritating substance.

USA Regulatory Lists

California prop. 65: This product contains the following ingredients for which the State of California has found to cause reproductive harm (female) which would require a warning under the statute: Ethylene Oxide < 1 ppm

California prop. 65: This product contains the following ingredients for which the State of California has found to cause cancer which would require a warning under the statute: Ethylene Oxide < 1 ppm

Massachusetts RTK: Ethylene Oxide

SARA 311/312 MSDS distribution - chemical inventory - hazard identification: Isopropyl Alcohol: fire

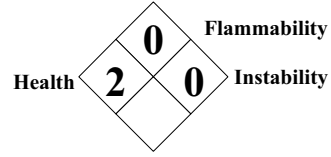
DSD (EEC)

International Regulations Lists No products were found.

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

Health	2
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. **Specific Hazard**

**Section 16. Other Information**

Validated by CRushton on 3/2/2007.

Verified by CRushton.

Printed 3/23/2007.

**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 3/2/2007.

**Fiber Pro Enzyme Deodorizer**

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