



# Material Safety Data Sheet


WHMIS (Pictograms)

WHMIS (Classification)

HCS

	CLASS E: Corrosive liquid.	Class: Corrosive material
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## Section 1. Chemical Product and Company Identification

<b>Product Name/ Trade name</b>	<b>Cide-Bet, Fresh and Clean</b>	<b>Code</b>	088
<b>Synonym</b>	Hospital Disinfectant Foaming Germicidal Cleaner	<b>CAS #</b>	Mixture.
<b>Chemical Family</b>	Not available.	<b>Validation Date</b>	2/2/2001
<b>Chemical Formula</b>	Not applicable.	<b>Print Date</b>	2/12/2001
<b>Manufacturer</b>	Betco Corporation 1001 Brown Avenue Toledo, Oh 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</b>	DSL : 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) Water	7732-18-5	0-100	Not available.	Not available.
2) 2-Butoxyethanol	111-76-2	0-5	TWA: 25 (ppm) TWA: 50 (ppm) from OSHA (PEL)	ORAL (LD50): Acute: 1746 mg/kg [Rat]. GAS (LC50): Acute: 926 ppm 4 hour(s) [Mouse].
3) Sodium Metasilicate	6834-92-0	0-5	Not available.	Not available.
4) Tetrasodium salt of ethylenediaminetetraacetic acid	64-02-8	0-5	Not available.	ORAL (LD50): Acute: 3030 mg/kg [Rat].
5) Diethylene Glycol Ethyl Ether	111-90-0	0-5	Not available.	Not available.
6) Nonionic Surfactant	127087-87-0	0-5	Not available.	Not available.
7) Sodium Nitrite	7632-00-0	0-5	Not available.	Not available.
8) Perfume Oil	N/A	0-5	Not available.	Not available.
9) Liquified Petroleum Gas	68476-85-7	0-5	TWA: 1000 (ppm) TWA: 1000 (ppm) from OSHA (PEL)	Not available.
10) Quaternary Ammonium Chloride	68391-01-5	0.2	Not available.	Not available.

## Section 3. Hazards Identification

<b>Potential Acute Health Effects</b>	Corrosive to skin and eyes on contact. Liquid or spray mist may produce tissue damage particularly on mucous membranes of eyes, mouth and respiratory tract. Skin contact may produce burns. Inhalation of the spray mist may produce severe irritation of respiratory tract, characterized by coughing, choking, or shortness of breath.
<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

Eye Contact	Flush eyes with large quantities of water, holding eyelids open. Seek medical attention if irritation persists.
Skin Contact	Remove contaminated clothing. Flush affected area with large quantities of water. Seek medical attention if irritation persists.
Inhalation	Get to fresh air. Seek medical attention if irritation persists.
Ingestion	Give large quantities of milk or water. Seek medical attention immediately.

#### Section 5. Fire Fighting Measures

Products of Combustion	Not available.
Fire Fighting Media and Instructions	Water fog ,dry chemical, CO2.
Special Remarks on Fire Hazards	N/A
Special Remarks on Explosion Hazards	Heated cans may burst.

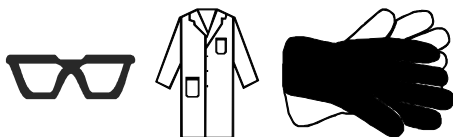
#### Section 6. Accidental Release Measures

Small Spill and Leak	Safety glasses recommended.
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	
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	
<i>Eyes</i>	Safety glasses.
<i>Body</i>	Lab coat.
<i>Respiratory</i>	No special recommendations.
<i>Hands</i>	Gloves.
Protective Clothing (Pictograms)	
Exposure Limits	<b>2-Butoxyethanol</b> TWA: 25 (ppm) TWA: 50 (ppm) from OSHA (PEL) [United States] <b>Liquified Petroleum Gas</b> TWA: 1000 (ppm) TWA: 1000 (ppm) from OSHA (PEL) [United States]  Consult local authorities for acceptable exposure limits.

### Section 9. Physical and Chemical Properties

<b>Physical State and Appearance</b>	Liquid.	<b>Odor</b>	Pleasant.
<b>Molecular Weight</b>	Not applicable.	<b>Taste</b>	
<b>pH</b>	12 to 12.8 [Basic.]	<b>Color</b>	White.
<b>Boiling/Condensation Point</b>	N/A		
<b>Melting/Freezing Point</b>	Not available.		
<b>Critical Temperature</b>	Not available.		
<b>Instability Temperature</b>	Not available.		
<b>Specific Gravity</b>	Not available.		
<b>Vapor Pressure</b>	50 psig @ 68°F		
<b>Vapor Density</b>	>1 (Air = 1)		
<b>Volatility</b>	95		
<b>VOC</b>	Not available.		
<b>Evaporation Rate</b>	<1		
<b>Odor Threshold</b>	Not available.		
<b>LogK<sub>ow</sub></b>	Not available.		
<b>Ionicity (in Water)</b>	Not available.		
<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>	LOWER: 1.8% UPPER: 12%		
<b>Fire Hazards in Presence of Various Substances</b>	Not available.		
<b>Explosion Hazards in Presence of Various Substances</b>	Heated Cans May burst		

### Section 10. Stability and Reactivity Data

<b>Stability</b>	The product is stable.
<b>Incompatibility with Various Substances</b>	None known.
<b>Hazardous Decomposition Products</b>	Will not occur.

### Section 11. Toxicological Information

Routes of Entry	Eye contact.
Toxicity to Animals	Acute oral toxicity (LD50): 1746 mg/kg [Rat]. (2-Butoxyethanol).
Acute Effects on Humans	<p><i>Eyes</i> Eye irritant. Liquid and mist may damage the eyes causing corneal injury.</p> <p><i>Skin</i> Skin irritant. Prolonged or repeated contact may cause dermatitis.</p> <p><i>Inhalation</i> Vapors may be irritating to mucous membranes of the nose, throat, and lungs.</p> <p><i>Ingestion</i> May be irritating to the mouth, throat, and gastrointestinal system. Vomiting and diarrhea expected with large doses.</p>
Chronic Effects on Humans	Repeated skin exposure can produce local skin destruction, or dermatitis.
Special Remarks on Toxicity to Animals	Not available.
Special Remarks on Chronic Effects on Humans	Not available.



### 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	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	Class 8: Corrosive material	
PIN UN, Proper Shipping Name, PG	Shipping name: CORROSIVE LIQUIDS, N.O.S. UNNA: UN1760 PG: Not available.	
Maritime Transportation	Not available.	
Special Provisions for Transport	Not available.	

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

WHMIS (Classification) CLASS E: Corrosive liquid. 

Regulatory Lists No products were found.

Other Regulations OSHA: Hazardous by definition of Hazard Communication Standard (29 CFR 1910.1200).

**Other Classifications**

**HCS (U.S.A.)** Class: Corrosive material

**USA Regulatory Lists**

SARA 311/312 MSDS distribution - chemical inventory - hazard identification: 2-Butoxyethanol: immediate health hazard, delayed health hazard; Diethylene Glycol Ethyl Ether: fire; Sodium Nitrite; Liquified Petroleum Gas: fire  
 SARA 313 toxic chemical notification and release reporting: 2-Butoxyethanol; Diethylene Glycol Ethyl Ether; Sodium Nitrite

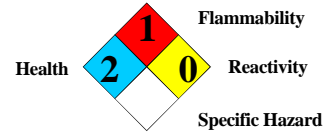
**DSD (EEC)** This product is not classified according to the EU regulations.

**International Regulations Lists** No products were found.

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

Health	2
Flammability	1
Reactivity	0
Personal Protection	B

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



**Section 16. Other Information**

Validated by CRushton on 2/2/2001. Verified by CRushton.  
 Printed 2/12/2001.

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

Notice to Reader

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