



# Material Safety Data Sheet

WHMIS (Pictograms)

WHMIS (Classification)

HCS



CLASS B-3: Combustible liquid with a flash point between 37.8°C (100°F) and 93.3°C (200°F).  
CLASS D-1B: Material causing immediate and serious toxic effects (TOXIC).  
CLASS E: Corrosive liquid.

Class: Combustible liquid having a flash point between 37.8°C (100°F) and 93.3°C (200°F).

HCS Class: Corrosive liquid.

## Section 1. Chemical Product and Company Identification

<b>Product Name/ Trade name</b>	<b>Cleanitizer</b>	<b>Code</b>	411
<b>Synonym</b>	Concentrated Carpet Sanitizer/Deodorizer/Cleaner	<b>CAS #</b>	Mixture.
<b>Chemical Family</b>	Not available.	<b>Validation Date</b>	7/22/2003
<b>Chemical Formula</b>	Not applicable.	<b>Print Date</b>	7/28/2003
<b>Manufacturer/ Supplier</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		

### Protective Clothing



## 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) Urea	57-13-6	5-10	Not available.	Not available.
3) Quaternary Ammonium Chloride	68391-01-5	2	Not available.	Not available.
4) Sodium Carbonate	497-19-8	0-5	Not available.	Not available.
5) Propylene Glycol	57-55-6	0-5	Not available.	ORAL (LD50): Acute: 5000 mg/kg [Rat].
6) Tetrapotassium Pyrophosphate	7320-34-5	0-5	Not available.	Not available.
7) Sodium Hydroxide	1310-73-2	0-5	TWA: 2 (mg/m <sup>3</sup> ) from OSHA (PEL) [United States]	ORAL (LD50): Acute: 140 mg/kg [Rat].
8) Sodium Lauryl Sulfate	151-21-3	0-5	Not available.	Not available.
9) Sodium Silicate	1344-09-8	0-5	Not available.	Not available.
10) Tetrasodium salt of ethylenediaminetetraacetic acid	64-02-8	0-5	Not available.	ORAL (LD50): Acute: 3030 mg/kg [Rat].
11) Nonionic Surfactant	9016-45-9	0-5	Not available.	Not available.
12) Perfume Oil	N/A	0-5	Not available.	Not available.
13) Dye	N/A	0-5	Not available.	Not available.

## Section 3. Hazards Identification

**Potential Acute Health Effects** Very hazardous in case of skin contact (corrosive, irritant), of eye contact (irritant, corrosive), of ingestion. Hazardous in case of inhalation. 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. Severe over-exposure can result in death. Inflammation of the eye is characterized by redness, watering, and itching. Skin inflammation is characterized by itching, scaling, reddening, or, occasionally, blistering.

**Potential Chronic Health Effects** Prolonged exposure may result in skin burns and ulcerations.

Carcinogenic Effects

Not classified or listed by IARC, NTP, OSHA, EU and ACGIH.

#### Section 4. First Aid Measures

<b>Eye Contact</b>	Check for and remove any contact lenses. In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention immediately.
<b>Skin Contact</b>	In case of contact, immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Wash clothing before reuse. Thoroughly clean shoes before reuse. Get medical attention immediately.
<b>Inhalation</b>	If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.
<b>Ingestion</b>	If swallowed, do not induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Get medical attention immediately.

#### Section 5. Fire Fighting Measures

<b>Products of Combustion</b>	Not available.
<b>Fire Fighting Media and Instructions</b>	Non-flammable substance.
<b>Special Remarks on Fire Hazards</b>	Water is very effective.
<b>Special Remarks on Explosion Hazards</b>	Products of combustion are toxic.

#### Section 6. Accidental Release Measures

<b>Small Spill and Leak</b>	Safety glasses or chemical anti-splash goggles recommended.
<b>Large Spill and Leak</b>	Absorb with an inert material and put the spilled material in an appropriate waste disposal.
<b>Personal Protection in Case of a Large Spill</b>	Splash goggles. Full suit. Vapor respirator. Boots. Gloves. A self contained breathing apparatus should be used to avoid inhalation of the product. Suggested protective clothing might not be sufficient; consult a specialist BEFORE handling this product.

#### Section 7. Handling and Storage

<b>Precautions</b>	Avoid breathing vapors or spray mists. Avoid contact with skin and eyes
<b>Incompatibility</b>	No incompatible product according to our data base.
<b>Storage</b>	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**

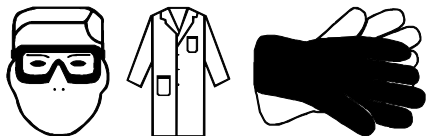
*Eyes* Splash goggles.

*Body* \_\_\_\_\_

*Respiratory* Wear appropriate respirator when ventilation is inadequate.

*Hands* Gloves (impervious).

**Protective Clothing (Pictograms)**



**Exposure Limits****Sodium Hydroxide**TWA: 2 (mg/m<sup>3</sup>) 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>	13 [Basic.]	<b>Color</b>	Yellow.
<b>Boiling/Condensation Point</b>	Not available.		
<b>Melting/Freezing Point</b>	Not available.		
<b>Critical Temperature</b>	Not available.		
<b>Instability Temperature</b>	Not available.		
<b>Specific Gravity</b>	1.07 (Water = 1)		
<b>Vapor Pressure</b>	Not available.		
<b>Vapor Density</b>	>1 (Air = 1)		
<b>Volatility</b>	>80		
<b>VOC</b>	<1%		
<b>Evaporation Rate</b>	<1		
<b>Dispersion Properties</b>	Not available.		
<b>Solubility</b>	Not available.		
<b>The Product is:</b>	Combustible.		
<b>Auto-ignition Temperature</b>	Not available.		
<b>Flash Points</b>	CLOSED CUP: 79.1111°C (174.4°F).		
<b>Flammable Limits</b>	Not available.		
<b>Fire Hazards in Presence of Various Substances</b>	Not available.		
<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>	Will not occur.

### Section 11. Toxicological Information

<b>Routes of Entry</b>	Absorbed through skin. Eye contact. Inhalation. Ingestion.
<b>Toxicity to Animals</b>	Acute oral toxicity (LD50): 140 mg/kg [Rat]. (Sodium Hydroxide).
<b>Acute Effects on Humans</b>	<p><i>Eyes</i> Very hazardous in case of eye contact (irritant, corrosive). Eye contact can result in corneal damage or blindness.</p> <p><i>Skin</i> Very hazardous in case of skin contact (corrosive, irritant). Skin contact may produce burns. Skin inflammation is characterized by itching, scaling, reddening, or, occasionally, blistering.</p> <p><i>Inhalation</i> Hazardous in case of inhalation. Inhalation of the spray mist may produce severe irritation of respiratory tract, characterized by coughing, choking, or shortness of breath.</p> <p><i>Ingestion</i> Harmful if swallowed. May cause gastrointestinal discomfort. May cause headache, dizziness, nausea, vomiting and diarrhea.</p>
<b>Chronic Effects on Humans</b>	Prolonged exposure may result in skin burns and ulcerations.
<b>Special Remarks on Toxicity to Animals</b>	Not available.
<b>Special Remarks on Chronic Effects on Humans</b>	Not available.



### Section 12. Ecological Information

<b>Ecotoxicity</b>	Not available.
<b>BOD5 and COD</b>	Not available.
<b>Products of Biodegradation</b>	Not available.
<b>Toxicity of the Products of Biodegradation</b>	Not available.
<b>Special Remarks on the Products of Biodegradation</b>	Not available.

### Section 13. Disposal Considerations

<b>Waste Information</b>	Waste must be disposed of in accordance with federal, state and local environmental control regulations.
<b>Waste Stream</b>	Not available.

### Section 14. Transport Information

<b>DOT (U.S.A) (Pictograms)</b>		
<b>TDG Classification</b>	TDG Class 8: Corrosive liquid.	
<b>PIN UN, Proper Shipping Name, PG</b>	1760 Corrosive liquid n.o.s.	
<b>Maritime Transportation</b>	Not available.	

Special Provisions for Transport

Not available.

### Section 15. Other Regulatory Information and Pictograms

**WHMIS (Classification)** CLASS B-3: Combustible liquid with a flash point between 37.8°C (100°F) and 93.3°C (200°F).  
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CLASS E: Corrosive liquid.



**Regulatory Lists** No products were found.

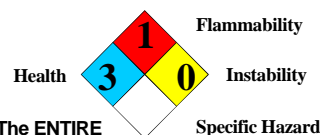
**Other Regulations** OSHA: Hazardous by definition of Hazard Communication Standard (29 CFR 1910.1200).

<b>Other Classifications</b>	<b>HCS (U.S.A.)</b>	Class: Combustible liquid having a flash point between 37.8°C (100°F) and 93.3°C (200°F).  HCS Class: Corrosive liquid.
	<b>USA Regulatory Lists</b>	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 Pennsylvania RTK: Propylene Glycol Massachusetts RTK: Ethylene Oxide SARA 311/312 MSDS distribution - chemical inventory - hazard identification: Sodium Hydroxide: immediate health hazard
	<b>DSD (EEC)</b>	This product is not classified according to the EU regulations.
	<b>International Regulations Lists</b>	No products were found.

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

Health	3
Flammability	1
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 7/22/2003.

Verified by CRushton.

Printed 7/28/2003.

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

Notice to Reader

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