





# Material Safety Data Sheet

This MSDS is prepared in accordance with OSHA 29 CFR 1910.1200

 <b>WHMIS (Pictograms)</b>	<b>WHMIS Class E: Corrosive liquid. WHMIS Class D-2B: Material causing other toxic effects (TOXIC).</b> <b>WHMIS (Classification)</b>	<b>HCS CLASS: Irritating substance.</b> <b>HCS</b>
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## Section 1. Chemical Product and Company Identification

<b>Product Name/ Trade name</b> <b>Quat-Stat</b>	<b>Code</b> <b>350</b>
<b>Synonym</b> Disinfectant/Clnr/Detergent/Virucide*/Deodorizer/Mildewstg	<b>CAS #</b> Not applicable.
<b>Chemical Family</b> Not available.	<b>Validation Date</b> 3/2/2007
<b>Chemical Formula</b> Not applicable.	<b>Print Date</b> 3/24/2007
<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>Protective Clothing</b> 
<b>DSL/ NDSL</b> All components listed unless noted elsewhere on this MSDS	

## Section 2. Composition and Information on Ingredients

Name	CAS #	% by Weight	Exposure Limits	LC <sub>50</sub> /LD <sub>50</sub>
Quaternary Ammonium Chloride	68391-01-5	0-5	Not available.	Not available.
Quaternary Ammonium Chloride	68956-79-6	0-5	Not available.	Not available.
Poly(oxyethylene) nonylphenyl ether	9016-45-9	4.5	Not available.	Not available.
Dye	N/A	0-5	Not available.	Not available.

## Section 3. Hazards Identification

<b>Potential Acute Health Effects</b>	May be fatal if swallowed. Skin and eye irritant.
<b>Potential Chronic Health Effects</b>	The amount of tissue damage depends on length of contact.
<b>Carcinogenic Effects</b>	Not classified or listed by IARC, NTP, OSHA, EU and ACGIH.

## Section 4. First Aid Measures

<b>Eye Contact</b>	Hold eye open and rinse slowly and thoroughly with water for 15 to 20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control center or doctor immediately for treatment advice.
<b>Skin Contact</b>	Rinse skin with plenty of water for 15 to 20 minutes. Call a poison control center or doctor for further treatment advice.
<b>Inhalation</b>	Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration., preferably mouth to mouth if possible. Call a poison control center or doctor for further treatment advice.
<b>Ingestion</b>	Call a poison control center immediately for treatment advice. Have person sip a glass of water if able to swallow. Do NOT induce vomiting unless instructed to do so by a poison control center or doctor. Do not give anything by mouth to an unconscious person

### Section 5. Fire Fighting Measures

Products of Combustion Not available.

Fire Fighting Media and Instructions N/A

Special Remarks on Fire Hazards N/A

Special Remarks on Explosion Hazards N/A

### Section 6. Accidental Release Measures

Small Spill and Leak Absorb with an inert material and place in an appropriate waste disposal container.

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 After handling, always wash hands thoroughly with soap and water. Avoid contact with skin and eyes. DO NOT ingest.

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

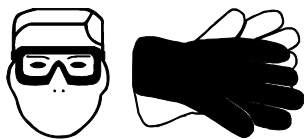
*Eyes* Splash goggles.

*Body* Long Pants and Long Sleeves to avoid skin contact.

*Respiratory* Wear appropriate respirator when ventilation is inadequate.

*Hands* Gloves (impervious).

Protective Clothing (Pictograms)



Exposure Limits Not available.

### Section 9. Physical and Chemical Properties

Physical State and Appearance Liquid.

Odor Fruity.

Molecular Weight Not applicable.

Taste Not available.

pH 11.4 [Basic.]

Color Purple.

Boiling/Condensation Point 212°F

Melting/Freezing Point Not available.

Critical Temperature Not available.

Instability Temperature Not available.

Specific Gravity 1.039 (Water = 1)

Vapor Pressure 22.3mm Hg @ 68°F

<b>Vapor Density</b>	Not available.
<b>Volatility</b>	90
<b>VOC</b>	Not available.
<b>Evaporation Rate</b>	0.4
<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**

<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**

<b>Routes of Entry</b>	Absorbed through skin. Eye contact. Inhalation. Ingestion.
<b>Toxicity to Animals</b>	Acute oral toxicity (LD50): 3030 mg/kg [Rat]. (Tetrasodium EDTA).
<b>Acute Effects on Humans</b>	<p><i>Eyes</i> Very hazardous in case of eye contact (irritant, corrosive). Inflammation of the eye is characterized by redness, watering, and itching. 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.</p> <p><i>Ingestion</i> Very hazardous in case of ingestion.</p>
<b>Chronic Effects on Humans</b>	The amount of tissue damage depends on length of contact.
<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	Not available.
Special Remarks on the Products of Biodegradation	No additional remark.

## 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 TDG Class 8: Corrosive liquid.



PIN UN, Proper Shipping Name, PG Shipping name: CORROSIVE LIQUIDS, N.O.S. (Contains Quaternary Ammonium Chloride)  
UNNA: 1760 PG: III

Maritime Transportation Not available.

Special Provisions for Transport Not applicable.

## Section 15. Other Regulatory Information and Pictograms

WHMIS (Classification) WHMIS Class E: Corrosive liquid. WHMIS 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

DSD (EEC)

This product is not classified according to the EU regulations.

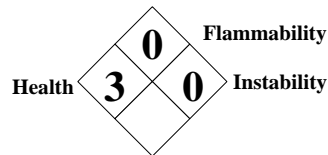
International Regulations Lists

No products were found.

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

Health	3
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 3/2/2007.

Verified by CRushton.

Printed 3/24/2007.

**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.

**Quat-Stat**

**Page: 5/5**

**Continued on Next Page**