

## Material Safety Data Sheet This MSDS is prepared in accordance with OSHA 29 CFR 1910.1200

WHMIS CLASS D-2: Material causing other toxic effects. Controlled under the Pest Control Products Act (PCP)

HCS CLASS: Corrosive liquid.

WHMIS (Pictograms)

4) Quaternary Ammonium Chloride

ethylendiaminetetraacetic acid

5) Nonionic Surfactant

6) Tetrasodium salt of

WHMIS (Classification)

HCS

Not available.

Not available.

mg/kg [Rat].

ORAL (LD50): Acute: 3030

## Section 1. Chemical Product and Company Identification

Product Name/ Trade name	Betco 256	Code	306
Synonym	Cleaner/Disinfectant/Deodorizer/Fungicide/Mildewstat/Virucide	CAS#	Not applicable.
Chemical Family	Not available.	Validation Date	3/22/2004
Chemical Formula	Not applicable.	Print Date	3/27/2004
Manufacturer/ Supplier	Betco Corporation 1001 Brown Avenue Toledo, Ohio 43607 (419) 241-2156	In Case of Cho Emergency	emtrec (800) 424-9300
TSCA	TSCA Inventory: All components listed or are exempt from listing.		
DSL/ NDSL	All components listed unless noted elsewhere on this MSDS	Pr	otective Clothing
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Section 2. Composition and Information on Ingredients				
Name	CAS#	% by Weight	Exposure Limits	LC <sub>50</sub> /LD <sub>50</sub>
Quaternary Ammonium Chloride     Dioctyl Dimethyl Ammonium Chloride	7173-51-5 5538-94-3	3.75 1.5	Not available. Not available.	Not available.
3) Quaternary Ammonium Chloride	68424-95-3	2.25	Not available.	Not available.

Not available.

Not available.

Not available.

7) Sodium Sesquicarbonat	e	533-96-0	1-5	Not available.	Not available.
Section 3. Hazards I	dentificati	ion			
Potential Acute Health Effect	ts Liquid or and respir	spray mist may ratory tract. Corr	produce tissu osive to eyes	e damage particularly on and skin.	mucous membranes of eyes, mouth
Potential Chronic Health Effects	general of the state of the sta				
Carcinogenic Effects	Not class	sified or listed	by IARC, N	TP, OSHA, EU and AC	GIH.

5-10

1-5

68424-85-1

9016-45-9

64-02-8

Section 4. First Aid Measures		
Eye Contact	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.	
Skin Contact	Rinse skin with plenty of water for 15 to 20 minutes. Call a poison control center or doctor for further treatment advice.	

	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.
ingestion	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	Chemical anti-splash goggles. Absorb with an inert material and place in an appropriate waste disposal container.	
Large Spill and Leak	Avoid to runoff to sewers and waterways. Wear Protective Clothing. Absorb with inert Material. Contact	
- Conse	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	Avoid contact with skin and eyes. DO NOT ingest.	
Incompatibility	None known.	
Storage	Keep out of reach of children. For Institutional and Commercial Use	

Storage	
Section 8. Exposure	e Controls/Personal Protection
<b>Engineering Controls</b>	Good general ventilation should be sufficient to control airborne levels.
Personal Protection	wes Splash goggles.
Ва	Long Pants and Long Sleeves to avoid skin cotact.
Respirato	vry Not applicable.
Har	nds 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.
pН	9.5 to 10.5 [Basic.]	Color	Red.
<b>Boiling/Condensation Point</b>	214°F initial		
Melting/Freezing Point	Not available.		
Critical Temperature	Not available.		
Instability Temperature	Not available.		
Specific Gravity	1.03 (Water = 1)		
Vapor Pressure	20mm Hg @ 68°F		
Vapor Density	>1 (Air = 1)		
Volatility	70		
voc	Not available.		
Evaporation Rate	<1 compared to Water		
Dispersion Properties	See solubility in water		
Solubility Solubility	Too concern, in water.		
	Easily soluble in cold water.		
The Product is:	May be combustible at high temperature.		
Auto-ignition Temperature	Not available.		
Flash Points	Not available.		
Flammable Limits	Not available.		
Fire Hazards in Presence of Various Substances	No specific information is available in our da presence of various materials.	atabase regar	ding the flammability of this product in
Explosion Hazards in Presence of Various Substances	Not applicable		

Section 10. Stability and Reactivity Data		
The product is stable.		
None known.		
Will not occur.		

Section 11. Toxicological Information			
Routes of Entry	Skin contact. Ingestion. INHALATION		
Toxicity to Animals	Acute oral toxicity (LD50): 3030 mg/kg [Rat]. (Tetrasodium EDTA).		
Acute Effects on Humans	umans		
Eyes	Eye irritant. Liquid and mist may damage the eyes causing corneal injury.		
Skin	Skin irritant. Prolonged or repeated contact may cause dermatitis.		
Inhalation	on N/A		
Ingestion	May be irritating to the mouth, throat, and gastrointestinal system. Burning pain, vomiting, and diarrhea expected with large doses.		
Chronic Effects on Humans	Prolonged exposure may result in skin burns and ulcerations.		
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 Class 8: Corrosive material



PIN UN, Proper Shipping Name, PG

Not applicable.

Maritime Transportation

Not available.

Special Provisions for Transport

Not applicable.

WHMIS (Classification)	WHMIS CLASS D-2: M Pest Control Products A	daterial causing other toxic effects. Controlled under the Act (PCP)		
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.)	HCS CLASS: Corrosive liquid.		
	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: Nonionic Surfactant: immediate health hazard		
	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.)	Flammability Physical Hazard	National Fire Protection Association (U.S.A.)	Flammability Health 3 Instability	

Section 16. Othe	r Information	
Validated by CRushton on 3/22/2004.		Verified by CRushton.
		Printed 3/27/2004.
Information Contact	Betco Corporation 1001 Brown Avenue Toledo, Ohio 43607	
Final determination of suitab	ess of the information contained herein.	rate. However, neither the above named supplier nor any of its subsidiaries assumes any liability whatsoever bility of the user. All materials may present unknown hazards and should be used with caution. Although e the only hazards that exist.

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