

Material Safety Data Sheet

WHMIS (Pictograms) WHMIS (Classification) Not a WHMIS controlled material. Controlled under the Pest Control HCS Class: Corrosive liquid. Products Act (PCP) Section 1. Chemical Product and Company Identification Product Name/ Trade AF79 Concentrate Code 331 CAS# Not applicable. **Synonym** Cleaner/Disinfectant/Mildewstat/Fungicide/Virucide/Deod. Validation Date 3/4/2003 Chemical Family Not available. **Print Date** 3/25/2003 **Chemical Formula** Not applicable. In Case of Chemtrec (800) 424-9300 Manufacturer/ Supplier Betco Corporation **Emergency** 1001 Brown Avenue Toledo, Oh 43607 (419) 241-2156 TSCA TSCA Inventory: All components listed or are exempt from listing. **Protective Clothing** DSL

Section 2. Composition and Information on Ingredients					
Name	CAS#	% by Weight	Exposure Limits	LC ₅₀ /LD ₅₀	
1) Water 2) Tetrasodium salt of ethylendiaminetetraacetic acid 3) Quaternary Ammonium Chloride 4) Nonionic Surfactant 5) Sodium Metasilicate 6) Nonionic Surfactant	7732-18-5 64-02-8 68424-85-1 9016-45-9 6834-92-0 61788-90-7	>70 <8 <5 <5 <5 <5	Not available.	Not available. ORAL (LD50): Acute: 3030 mg/kg [Rat]. Not available. Not available. Not available. ORAL (LD50): Acute: 4610	
7) Perfume Oil 8) Dye	N/A N/A	<1 <1	Not available. Not available.	mg/kg [Rat]. Not available. Not available.	

DSL: All components listed unless noted elsewhere on this MSDS

Section 3. Hazards Id	entification
Potential Acute Health Effects	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.
Potential Chronic Health Effects	Repeated skin exposure can produce local skin destruction, or dermatitis. 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		
Eye Contact	Immediately flush eyes with running water for at least 15 minutes, keeping eyelids open. Seek immediate medical attention.	
Skin Contact	After contact with skin, wash immediately with plenty of water. Seek medical attention.	
Inhalation	Allow the victim to rest in a well ventilated area.	
Ingestion	Do not induce vomiting. Have conscious person drink several glasses of water or milk. NEVER give an unconscious person anything to ingest. Seek immediate medical attention.	

Section 5. Fire Fighting Measures		
Products of Combustion	Not available.	
Fire Fighting Media and Instructions	SMALL FIRE: Use DRY chemical powder. LARGE FIRE: Use water spray, fog or foam. Do not use water jet.	
Special Remarks on Fire Hazards	Not available.	
Special Remarks on Explosion Hazards	Not available.	

Section 6. Accidental Release Measures	
Small Spill and Leak	Absorb with an inert material.
Large Spill and Leak	Absorb with an inert material and put the spilled material in an appropriate waste disposal.
	Splash goggles. Full suit. Boots. Gloves. Suggested protective clothing might not be sufficient; consult a specialist BEFORE handling this product.

Section 7. Hand	ling and Storage
Precautions	After handling, always wash hands thoroughly with soap and water. Avoid contact with skin and eyes. DO NOT ingest.
Incompatibility	Not available.
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	No additional special protective clothing is required.
Respiratory	Wear appropriate respirator when ventilation is inadequate.
Hands	Gloves (impervious).
Protective Clothing (Pictograms)	
Exposure Limits	Not available.

Section 9. Physical a	and Chemical Properties		
Physical State and Appearance	Liquid.	Odor	Pleasant. (Slight.)
Molecular Weight	Not applicable.	Taste	Not available.
рН	13 [Basic.]	Color	Red. (Light.)
Boiling/Condensation Point	The lowest known value is 40°C (104°F) (Non	ionic Surfac	tant).
Melting/Freezing Point	Not available.		
Critical Temperature	Not available.		
Instability Temperature	Not available.	. * .	
Specific Gravity	1.02 (Water = 1)		
Vapor Pressure	20mm Hg @ 68°F	-	
Vapor Density	>1 (Air = 1)		
Volatility	89.7		
VOC	5.1406 (g/l).		
Evaporation Rate	<1 compared to Water		
1 4100			
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Dispersion Properties	See solubility in water.		
Solubility	Easily soluble in cold water.		
The Product is:	Non-flammable.		
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 opresence of various materials.	latabase re	egarding the flammability of this product in
Explosion Hazards in Presence of Various Substances	No specific information is available in our database regarding the product's risks of explosion in the presence of various materials.		

Stability	The product is stable.		
Incompatibility with Various Substances	Not available.		
Hazardous Decomposition Products	Not available.		

Section 11. Toxicological Information		
Routes of Entry	Eye Contact Ingestion. INHALATION Skin contact.	
Toxicity to Animals	Acute oral toxicity (LD50): 3030 mg/kg [Rat]. (Tetrasodium EDTA).	
Acute Effects on Humans		
Eyes	Severely irritating to the eyes. Eye contact can result in corneal damage or blindness.	
Skin	Skin contact may produce burns.	
Inhalation	Inhalation of the spray mist may produce severe irritation of respiratory tract, characterized by coughing, choking, or shortness of breath.	
Ingestion	May cause burns to mouth, throat and stomach. Harmful if swallowed. May cause headache, dizziness, nausea, vomiting and diarrhea.	
Chronic Effects on Humans	Repeated skin exposure can produce local skin destruction, or dermatitis. 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 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 8



PIN UN, Proper Shipping Name, PG

Shipping name: Corrosive liquids n.o.s. UNNA: 1760 PG: III

Maritime Transportation Not available. **Special Provisions for** Transport

Not available.

WHMIS (Classification)	Not a WHMIS controlled Act (PCP)	d material. Controlled under the Pest Control Products	(T)		
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.) USA Regulatory Lists	HCS Class: Corrosive liquid.			
		SARA 311/312 MSDS distribution - chem Nonionic Surfactant: immediate health ha			
	DSD (EEC) International Regulations Lists				

Section 16. Other Information				
Validated by CRushton on 3/4/2003.		Verified by CRushton. Printed 3/25/2003.		
Information Contact	Betco Corporation 1001 Brown Avenue Toledo, Ohio 43607			

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.

Page: 5/5 Validated on 3/4/2003. AF79 Concentrate

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