

### SECTION – 1 CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

<b>Product Name</b>	<b>Disinfectant Cleaner</b>	<b>Item</b>
	Cleaner • Disinfectant • Detergent • *Virucide Fungicide (against Pathogenic fungi) • Deodorizer • Mildewstat (on hard inanimate surfaces) • Kills Pandemic 2009 H1N1 (formerly called swine flu)	
<b>Product Use</b>	Deodorizing Disinfectant Cleaner	
<b>Company Name</b>	<b>BCW GROUP, LLC</b>	<b>Office 866-634-4440</b>
	<b>412 Coushatta Dr.</b>	<b>Fax</b>
	<b>Denison, TX 75020</b>	<b>Web bcwgroup.net</b>
	<b>EMERGENCY TELEPHONE NUMBER CHEMTREC (800) 424-9300</b>	

### SECTION – 2 HAZARDS INFORMATION

Health Hazards EYES-Category 1; SKIN-Category 1B; STOT SINGLE EXPOSURE-Category 2

Environmental ACUTE-Aquatic Toxicity-Category 1; CHRONIC-Aquatic Toxicity-Category 1



Target Organ Toxicity



Environmental Hazard



Eye Damage Skin Corrosion/Burns

**Danger** Causes severe skin burns and eye damage, May cause damage to organs, (Eyes), (Skin), through single exposure Harmful if swallowed, Do not get in eyes, on skin, or clothing, and avoid inhalation of mist, Do not smoke, eat or drink while using, Wear safety glasses, goggles, or face shield, rubber gloves, and protective clothing, Wash thoroughly with soap and water after handling, Avoid release into the environment, KEEP OUT OF REACH OF CHILDREN

### SECTION – 3 COMPOSITION INFORMATION

(Exact percentage of the listed chemicals of composition has been withheld as a trade secret)

CHEMICAL NAME	COMMON NAME AND SYNONYMS	CAS #	IMPURITIES	PERCENT
Quaternary Ammonium	Alkyl (60% C14, 30% C16, 5% C12, 5% C18) dimethyl benzyl ammonium chloride	85409-23-0	Ethanol 8%	1.6%
Quaternary Ammonium	Alkyl (68% C12, 32% C14) dimethyl ethylbenzyl ammonium chlorides	68391-01-5	Amines, C12-18-alkyldimethyl < 1.6%	1.6%
Sodium Carbonate	Soda Ash	497-19-8		1 - 3%
EDTA Tetrasodium Salt	Ethylenediaminetetraacetic Acid Tetrasodium Salt	64-02-8	Sodium Hydroxide < 1.6%, Nitrilotriacetate, trisodium salt (NTA) < 1%, Sodium hydroxyacetate < 3%	1 - 3%
Nonylphenol Ethoxylate	Polyoxyethylene Nonyl Phenyl Ether	127087-87-0	Poly(ethylene oxide) < 3%, Dinonylphenyl polyoxyethylene < 2%	1 - 5%

### SECTION – 4 FIRST AID MEASURES

<b>EYE CONTACT</b>	Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control center or doctor for treatment advice
<b>SKIN CONTACT</b>	Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call poison control center or doctor for 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 by mouth-to-mouth, if possible. Call a poison control center or doctor for further treatment advice
<b>INGESTION</b>	Call poison control center or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by the poison control center or doctor, Do not give anything by mouth to an unconscious person

Aspiration Hazard Not applicable

#### ACUTE SYMPTOMS OF SINGLE OVEREXPOSURE

<b>Eyes</b>	Causes serious eye damage, discomfort, redness, tearing, pain, or possible corrosive burns
<b>Skin</b>	Can cause serious skin irritation, redness, burning, drying, cracking, or possible corrosive burns
<b>Inhalation</b>	Mist may cause irritation, to respiratory tract
<b>Ingestion</b>	May be harmful if swallowed, Can cause irritation, of the mouth, throat, and esophagus

#### CHRONIC SYMPTOMS OF PROLONGED OR REPEATED OVEREXPOSURE

<b>Eyes</b>	Causes serious eye damage, severe pain, corrosive burns, corneal injury, partial or complete blindness
<b>Skin</b>	Can cause serious skin damage, redness, burning, drying, cracking, or corrosive burns
<b>Inhalation</b>	Mist may cause irritation, to nose, throat, mucus membranes or respiratory tract
<b>Ingestion</b>	Harmful if swallowed, Can cause serious irritation, of the mouth, throat, and esophagus, May affect target organs

**SECTION – 5 FIRE FIGHTING MEASURES**

<b>Extinguishing Media</b>	Use DRY chemicals, CO2, alcohol foam. Water spray to cool or protect exposed materials
<b>Hazardous Decomposition</b>	Burning or thermal decomposition can produce, carbon monoxide, carbon dioxide, nitrogen oxides, sodium oxides, ammonia, and other toxic fumes
<b>Reactive With</b>	Reactive with, strong oxidizing agents, strong bases, strong acids
<b>Explosion Hazards</b>	Not applicable
<b>Static Discharge</b>	Not applicable
<b>Mechanical Impact</b>	Not applicable
<b>Protective Equipment</b>	Use MSHA/NIOSH approved self-contained breathing apparatus and full protective gear

**SECTION – 6 ACCIDENTAL RELEASE MEASURES**

<b>Emergency Procedures</b>	Warn personnel of spill
<b>Personal Precautions</b>	Ventilate area, Avoid slipping on spilled product
<b>Protective Equipment</b>	Safety Glasses, Gloves, Chemical Apron and Rubber Boots
<b>Containment</b>	Use rags, towels, absorbent socks or pads to prevent spill from spreading, Prevent spill from entering the environment
<b>Clean Up Procedures</b>	Small Spills: Use wet vacuum or mop and wringer to pick up spilled material then mop area with clean water Large Spills: Absorb spill with inert material, place in a chemical waste container, mop area with clean water
<b>Disposal</b>	Dispose of material in accordance with all State and Federal Guidelines and Regulations

**SECTION – 7 HANDLING AND STORAGE**

<b>Handling</b>	Keep away from incompatible materials, Use appropriate safety equipment, Avoid eye and skin contact, Avoid inhalation of mist, Harmful if swallowed, Do not smoke, eat or drink while using, Wash thoroughly after handling, Avoid release to the environment, Triple rinse container before discarding
<b>Storage</b>	KEEP OUT OF REACH OF CHILDREN, DO NOT CONTAMINATE WATER, FOOD OR FEED BY STORAGE OR DISPOSAL, Keep container closed when not in use, Store away from incompatible materials, Store in a dry place no lower in temperature than 50°F or higher than 120°F.
<b>Incompatible Materials</b>	Incompatible with, strong oxidizing agents, strong bases, strong acids

**SECTION – 8 EXPOSURE CONTROLS / PERSONAL PROTECTION****EXPOSURE LIMITS**

CHEMICAL NAME	ACGIH (TWA 8)	ACGIH (STEL)	OSHA PEL (TWA 8)	OSHA (CEIL)	Significant Exposure
Quaternary Ammonium	None Established				ED,SD
Nonylphenol Ethoxylate	None Established				ED
EDTA Tetrasodium Salt	None Established				ED,SI
Sodium Carbonate	None Established				EI

**PERSONAL PROTECTIVE EQUIPMENT**Chemical Safety Glasses,  
Goggles or Face ShieldImpervious  
Chemical GlovesImpervious  
Protective ClothingEye Wash and  
Safety Shower  
(Recommended)**Ventilation**

General Ventilation

If exposure limits listed above are exceeded, or irritation is experienced,  
use a MSHA / NIOSH approved respirator**HMIS HAZARD RATINGS**

Health	3
Flammability	1
Reactivity	0
Personal Protection	C

**SECTION – 9 PHYSICAL AND CHEMICAL PROPERTIES**

<b>Flash Point</b>	> 93.3°C (200°F) - TAG Closed Cup	<b>Specific Gravity / Density</b>	1.038
<b>Flammable Limits</b>	ND	<b>pH (± 0.3)</b>	10.8
<b>Auto-Ignition Temp.</b>	ND	<b>Viscosity</b>	ND
<b>Physical State</b>	Liquid	<b>Freeze Point</b>	32 °F (0°C)
<b>Appearance</b>	Green	<b>Boiling Point</b>	212 °F (100 °C)
<b>Odor</b>	Lemon	<b>Vapor Density (air=1)</b>	ND
<b>Odor Threshold</b>	ND	<b>Vapor Pressure (mm Hg)</b>	ND
<b>Solubility</b>	100%	<b>Evaporation Rate (nBuAc=1)</b>	ND
<b>Volatiles</b>	< 90%	<b>Partition Coefficient</b>	ND
<b>VOC</b>	< 1%	<b>Molecular Weight (g/mol)</b>	~ 77.60
<b>LVP-VOC</b>	0.00%	<b>Decomposition Temperature</b>	ND

**SECTION – 10 STABILITY AND REACTIVITY**

Reactivity (Specific Test Data)	None available
Chemical Stability	Stable when stored below 49°C (120°F)
Hazardous Polymerization	Will not occur
Conditions To Avoid	Incompatible materials
Incompatible Materials	Incompatible with, strong oxidizing agents, strong bases, strong acids
Thermal Decomposition	Burning or thermal decomposition can produce, carbon monoxide, carbon dioxide, nitrogen oxides, sodium oxides, ammonia, and other toxic fumes

**SECTION – 11 TOXICOLOGICAL INFORMATION****ROUTES OF EXPOSURE**

Eyes (Yes), Skin (Yes), Inhalation (Yes "Mist"), Ingestion (Yes)

**ACUTE SYMPTOMS OF SINGLE OVEREXPOSURE**

Eyes	Causes serious eye damage, discomfort, redness, tearing, pain, or possible corrosive burns
Skin	Can cause serious skin irritation, redness, burning, drying, cracking, or possible corrosive burns
Inhalation	Mist may cause irritation, to respiratory tract
Ingestion	May be harmful if swallowed, Can cause irritation, of the mouth, throat, and esophagus

**CHRONIC SYMPTOMS OF PROLONGED OR REPEATED OVEREXPOSURE**

Eyes	Causes serious eye damage, severe pain, corrosive burns, corneal injury, partial or complete blindness
Skin	Can cause serious skin damage, redness, burning, drying, cracking, or corrosive burns
Inhalation	Mist may cause irritation, to nose, throat, mucus membranes or respiratory tract
Ingestion	Harmful if swallowed, Can cause serious irritation, of the mouth, throat, and esophagus, May affect target organs

**Acute Tox Calculated**      **Oral:** 4,742 mg/kg      **Dermal:** 25,709 mg/kg      **Inhaled:** 8.4 mg/L

**Acute Tox Category** Not applicable (Oral >2,000 mg/kg), Not applicable (Dermal >2,000 mg/kg), Not applicable (Inhaled >5 mg/L) Dust or Mist

**Additional Info**

Target Organs	Kidneys, Liver, Eyes (Lens or cornea), Skin, Upper Respiratory Tract
Medical Conditions	Preexisting, eye, skin, liver, kidney, respiratory, disorders may be aggravated by exposure to this product
Notes to Physician	Probable mucosal damage may contraindicate the use of gastric lavage.

**CARCINOGENIC – This product contains concentrations above 0.1% of the following:**

<b><u>CHEMICAL NAME</u></b>	<b><u>NTP</u></b>	<b><u>ACGIH</u></b>	<b><u>IARC</u></b>	<b><u>GHS Category</u></b>
None Listed	NA	NA	NA	NA

**MUTAGENIC AND REPRODUCTIVE EFFECTS – This product contains concentrations above 0.1% of the following:**

<b><u>CHEMICAL NAME</u></b>	<b><u>Germ Cell Mutagenicity</u></b>	<b><u>Toxic to Reproduction</u></b>
None Listed	NA	NA

**COMPONENTS ACUTE TOXICITY**

<b><u>CHEMICAL NAME</u></b>	<b><u>Type</u></b>	<b><u>Form</u></b>	<b><u>Subject</u></b>	<b><u>Result Value</u></b>	<b><u>Exposure Time</u></b>	<b><u>GHS Category</u></b>
EDTA Tetrasodium Salt	LD50	Oral	Rat	630 mg/kg		(>2000 mg/kg)
Sodium Carbonate	LD50	Oral	Rat	4,090 mg/kg		(>2000 mg/kg)
	LD50	Inhalation	Rat	2,875 mg/L	4 Hours (Dust)	(>5 mg/L)
Nonylphenol Ethoxylate	LD50	Oral	Rat	960 mg/kg		4 (>300, ≤2000 mg/kg)
	LD50	Inhaled	Rat	1.15 mg/L	4 Hours (Mist)	4 (>1.0, ≤5 mg/L)
	LD50	Dermal	Rabbit	2,001 mg/kg		(>2000 mg/kg)
Quaternary Ammonium	LD50	Dermal	Rabbit	3,340 mg/kg	24 Hours	(>2000 mg/kg)
	LD50	Inhaled	Rabbit	0.5 mg/L	4 Hours (Mist)	2 (>0.05, ≤0.5 mg/L)
	LD50	Oral	Rat	344 mg/kg		4 (>300, ≤2000 mg/kg)



**SECTION – 12 ECOLOGICAL INFORMATION**

<u>CHEMICAL NAME</u>	<u>Type</u>	<u>Subject</u>	<u>Subject Latin</u>	<u>Result Value</u>	<u>Exposure Time</u>	<u>GHS Category</u>
EDTA Tetrasodium Salt	LC50	Bluegill	(Lepomis macrochirus)	760 mg/L	96 Hours	4 (>100 mg/L)
	LC50	Fathead Minnow	(Pimephales promelas)	59.8 mg/L	96 Hours	3 (>10, ≤100 mg/L)
Sodium Carbonate	LC50	Bluegill	(Lepomis macrochirus)	300 mg/L	96 Hours	4 (>100 mg/L)
	EC50	Water Flea	(Daphnia magna)	265 mg/L	48 Hours	4 (>100 mg/L)
Nonylphenol Ethoxylate	LC50	Fathead Minnow	(Pimephales promelas)	3.8 mg/L	96 Hours	2 (>1, ≤10 mg/L)
	LC50	Water Flea	(Daphnia magna)	9.3 mg/L	48 Hours	2 (>1, ≤10 mg/L)
Quaternary Ammonium	LC50	Water Flea	(Daphnia magna)	0.0058 mg/L	48 Hours	1 (≤1 mg/L)
	LC50	Fish	(Leuciscus Idus)	0.86 ppm	96 Hours	1 (≤1 mg/L)
	EC50	Algae		0.063 mg/L	96 Hours	1 (≤1 mg/L)
<b>Persistence And Degradability</b>	No specific biodegradation test data was located, The components of this product are inherently or readily biodegradable according to the OECD definition					
<b>Bioaccumulative Potential</b>	There is no evidence to suggest bioaccumulation will occur					
<b>Mobility In Soil</b>	This material is a partially mobile liquid					
<b>Other Adverse Effects</b>	Very toxic to aquatic life with long lasting effects					

**SECTION – 13 DISPOSAL CONSIDERATIONS**

**DO NOT DUMP INTO ANY STORM SEWERS, ON THE GROUND, OR INTO ANY BODY OF WATER**

**Dispose of any waste in accordance with all State and Federal Guidelines and Regulations**

**DO NOT CONTAMINATE WATER, FOOD, OR FEED BY STORAGE OR DISPOSAL**

**ENVIRONMENTAL FATE**

PESTICIDE DISPOSAL - Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide, spray mixture, or rinsate is a violation of Federal Law

If these wastes cannot be disposed of by use according to label instructions contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA Regional Office for guidance

CONTAINER DISPOSAL - Nonrefillable container. Do not reuse or refill this container. Offer for recycling, if available. Triple rinse container promptly after emptying

Triple rinse as follows: Fill container ¼ full with water and recap. Agitate vigorously. Follow Pesticide Disposal instructions for rinsate disposal. Drain for 10 seconds after the flow begins to drip. Repeat procedure two more times

Then offer for recycling or reconditioning. If not available, puncture and dispose in a sanitary landfill

**SECTION – 14 TRANSPORT INFORMATION****DOT CLASSIFICATION****UN Number**

Not Regulated

**Proper Shipping Name n.o.s. ( Chemicals ) or "Limits"**

Non Hazardous – Compounds Cleaning Liquid

<u>Hazard Class</u>	<u>Packing Group</u>	<u>Label Codes</u>	<u>Reportable Quantity (lbs)</u>	<u>Response</u>	<u>Marine Pollutant</u>	<u>Hazard Label</u>	<u>Secondary</u>
None	None	None	None	154	No		

**Additional Info:**



SECTION – 15															REGULATORY INFORMATION																								
TSCA																																							
CHEMICAL NAME					Sec 8(b) Inventory					Sec 8(d) Health And Safety					Sec 4(a) Chemical Test Rules					Sec 12(b) Export Notification																			
Quaternary Ammonium					Yes																																		
Sodium Carbonate					Yes																																		
REPORTABLE QUANTITIES																																							
CHEMICAL NAME					EPCRA TPQ Sec 302					EPCRA RQ Sec 304					Reportable Quantity CERCLA RQ Sec 103					Emission Reporting TRI Sec 313					RCRA Code					RMP TQ Sec 112r									
None Listed																																							
SARA																																							
CHEMICAL NAME					Section 311 Hazardous Chemical					Acute					Section 311 / 312 Hazards Chronic					Flammable					Pressure					Reactive									
Quaternary Ammonium					Yes																																		
Nonylphenol Ethoxylate					Yes					Yes																													
EDTA Tetrasodium Salt					Yes					Yes																													
Sodium Carbonate					Yes					Yes																													
RIGHT TO KNOW																																							
CHEMICAL NAME					CA		CT		FL		IL		LA		NJ		NY		PA		MI		MN		MA		RI		WI										
Nonylphenol Ethoxylate															Yes				Yes																				
EDTA Tetrasodium Salt															Yes				Yes																				
Sodium Carbonate															Yes				Yes																				
CALIFORNIA																																							
CHEMICAL NAME					CAS #					WARNING! This product contains chemicals known to the state of California to cause: Birth Defects					Reproductive Harm					Carcinogen					Developmental														
None Listed																																							
CLEAN AIR WATER ACTS																																							
CHEMICAL NAME					CAS #					Clean Air Acts HAP					Ozone Class 1					Ozone Class 2					Clean Water Acts HS					PP					TP				
None Listed																																							
INTERNATIONAL REGULATIONS – The components of this product are listed on the chemical inventories of the following countries:																																							
CHEMICAL NAME					Australia					Canada					Europe (EINECS)					Japan					Korea					UK									
Quaternary Ammonium					Yes					Yes					Yes					Yes					Yes					Yes									
WHMIS Classification																																							
CHEMICAL NAME					DSL		Class		Description																														
Sodium Carbonate					Yes		D-2B		Materials Causing Other Toxic Effects; Toxic Material																														
FIFRA Label Information																																							
<ul style="list-style-type: none"><li>• This chemical is a pesticide product registered by the Environmental Protection Agency and is subject to certain labeling requirements under federal pesticide law.</li><li>• These requirements differ from the classification criteria and hazard information required for safety data sheets, and for workplace labels of non-pesticide chemicals.</li><li>• The following is the hazard information as required on the pesticide label.</li></ul>																																							
DANGER, KEEP OUT OF REACH OF CHILDREN, CORROSIVE, Causes irreversible eye damage and skin burns, Do not get in eyes, on skin or on clothing, Wear goggles or face shield, rubber gloves, and protective clothing, Harmful if swallowed, Remove contaminated clothing and wash before reuse, Wash thoroughly with soap and water after handling																																							

**SECTION – 16 OTHER INFORMATION****SDS LEGEND DESCRIPTION****ACGIH** American Conference of Governmental Industrial Hygienists**CAS** Chemical Abstracts Service Registry**CEIL** Ceiling Limit (15 minutes)**CERCL** Comprehensive Environmental Response, Compensation, and Liability Act**CI** Cochlear Impairment**CNS** Central Nervous System**EC50** Concentration of a chemical that gives half-maximal response**EPA** Environmental Protection Agency**Eye** (EI = Irritation) (ED = Damage) (EV = Visual Impairment)**FBG** Full Bunker Gear**GHS** Globally Harmonized System**HAP** California Hazardous air pollutant Clean Air Act**HMIS-A** Safety Glasses**HMIS-B** Safety glasses, gloves**HMIS-C** Safety glasses, gloves, chemical apron**HMIS-D** Face shield, gloves, chemical apron**HMIS-E** Safety glasses, gloves, dust respirator**HMIS-F** Safety glasses, gloves, chemical apron, dust respirator**HMIS-G** Safety glasses, gloves, vapor respirator**HMIS-H** Splash goggles, gloves, chemical apron, vapor respirator**HMIS-I** Safety glasses, gloves, dust and vapor respirator**HMIS-J** Splash goggles, gloves, chemical apron, dust and vapor respirator**HMIS-K** Air line hood or mask, gloves, full chemical suit, boots**HMIS-X** Ask Supervisor**HS** California Hazardous Substance under the Clean Water Act**KD** Kidney Damage (nephropathy)**LC50** A concentration that is lethal to 50% of a given species in a given time**LD50** Dose that is lethal to 50% of a given species by a given route of exposure**LEL** Lower Explosive Limit**LD** Liver Damage**NA** Not Applicable**ND** Not Determined**NFPA** National Fire Protection Association**NIOSH** National Institute for Occupational Safety and Health**NE** Not Established**NTP** National Toxicology Program**OSHA** Occupational Safety and Health Administration**PEL** Permissible Exposure Limit (OSHA)**PNS** Peripheral Nervous System**PP** California Priority Pollutant under the Clean Water Act**REL** Recommended exposure limit (NIOSH)**RT** Upper Respiratory Tract**Skin** (SI = Irritation) (SD = Damage) (SA = Absorption) (SS = Sensitizer)**SARA** Superfund Amendments and Reauthorization Act**STEL** Short Term Exposure Limit (15 minutes)**TC Lo** Lowest concentration that is toxic to a given species in a given time**TD Lo** Lowest dose that is toxic to a given species**TLV** Threshold Limit Value (ACGIH)**TP** California Toxic Pollutant under the Clean Water Act**TSCA** Toxic Substances Control Act**TWA** Time Weighted Average (8 hours)**UEL** Upper Explosive Limit**BCW GROUP, LLC**

and nCites LLC have compiled the information herein from sources believed to be reliable and up-to-date, and is accurate to the best of our knowledge. However, we cannot give any guarantees regarding information from other sources or the completeness and expressly do not make warranties, nor assume any liability for its use. The information contained herein is provided for reference purposes only and is intended only for persons having relevant technical skills. Because conditions and manner of use are outside of our control, the user is responsible for determining the conditions of safe use of the product. Buyers and users assume all risk, responsibility and liability whatsoever for any and all injuries, losses, or damages to persons or property arising from the use of this product or information.