

SAFETY DATA SHEET

EPA Reg. No. 1839-94-93087

10% Sanitizer

Revision Date 6-21-2017

SECTION – 1 CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name 10% Sanitizer **Item**

Product Use Sanitizer

Company Name **BCW GROUP, LLC** **Office** **866-634-4440**
412 Coushatta Dr. **Fax**
Denison, TX 75020 **Web** **bcwgroup.net**

EMERGENCY TELEPHONE NUMBER **CHEMTREC** **(800) 424-9300**

SECTION – 2 HAZARDS INFORMATION

Health Hazards EYES-Category 1; SKIN-Category 1B; STOT SINGLE EXPOSURE-Category 2; ACUTE TOXICITY-Category 4 (Oral)
Environmental ACUTE-Aquatic Toxicity-Category 1; CHRONIC-Aquatic Toxicity-Category 2



Acute Toxicity



Target Organ Toxicity



Environmental
Hazard



Eye Damage
Skin Corrosion/Burns

DANGER Causes severe skin burns and eye damage, Harmful if swallowed, May cause damage to organs, (Eyes), (Skin), through single exposure, Very toxic to aquatic life, Toxic to aquatic life with long lasting effects
Do not get in eyes, on skin, or clothing, and avoid inhalation of mist, Do not smoke, eat or drink while using, Use proper Safety Equipment, 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 (1)	Alkyl (60% C14, 30% C16, 5% C12, 5% C18) dimethyl benzyl ammonium chloride	85409-23-0	Ethanol 9%	5.0%
Quaternary Ammonium (2)	Alkyl (68% C12, 32% C14) dimethyl ethylbenzyl ammonium chlorides	68391-01-5	Amines, C12-18-alkyldimethyl < 1.6%	5.0%
Ethyl Alcohol	Ethanol	64-17-5		1 - 2%

SECTION – 4 FIRST AID MEASURES

EYE CONTACT 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

SKIN CONTACT Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call poison control center or doctor for treatment advice

INHALATION 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

INGESTION 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

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 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, Symptoms may include, vomiting, abdominal pain, nausea or diarrhea

SECTION – 5 FIRE FIGHTING MEASURES

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

SECTION – 6 ACCIDENTAL RELEASE MEASURES

Emergency Procedures	Warn personnel of spill
Personal Precautions	Ventilate area, Avoid slipping on spilled product
Protective Equipment	Safety Glasses, Gloves, Chemical Apron and Rubber Boots
Containment	Use rags, towels, absorbent socks or pads to prevent spill from spreading, Prevent spill from entering the environment
Clean Up Procedures	Small spills may be mopped up, flushed away with water or absorbed on some absorbent material and incinerated. Large spills should be contained; the material then moved into containers and disposed of by approved methods for hazardous wastes.
Disposal	Dispose of material in accordance with all State and Federal Guidelines and Regulations

SECTION – 7 HANDLING AND STORAGE

Handling	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
Storage	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.
Incompatible Materials	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
Ethyl Alcohol	1000 ppm		1000 ppm (1900 mg/m ³)		RT
Quaternary Ammonium (2)	None Established				ED,SD
Quaternary Ammonium (1)	None Established				ED,SD

PERSONAL PROTECTIVE EQUIPMENTChemical 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

Flash Point	> 201 °F (> 93.9 °C)	Specific Gravity / Density	0.980
Flammable Limits	ND	pH (± 0.3)	6 - 8.5
Auto-Ignition Temp.	ND	Viscosity	ND
Physical State	Liquid	Freeze Point	~ 0°C (32 °F)
Appearance	Clear	Boiling Point	~ 100°C (212°F)
Odor	Pleasant	Vapor Density (air=1)	ND
Odor Threshold	ND	Vapor Pressure (mm Hg)	ND
Solubility	100%	Evaporation Rate (nBuAc=1)	ND
Volatiles	< 90%	Partition Coefficient	ND
VOC	< 2%	Molecular Weight (g/mol)	~ 78.87
LVP-VOC	0.0%	Decomposition Temperature	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	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, Symptoms may include, vomiting, abdominal pain, nausea or diarrhea

Acute Tox Calculated	Oral: ~ 2,000 mg/kg	Dermal: > 5,000 mg/kg	Inhaled: > 5.0 mg/L
Acute Tox Category	Category 4 (Oral >300, ≤2000 mg/kg), Not applicable (Dermal >5000 mg/kg), Not applicable (Inhaled >5 mg/L) Dust or Mist		
Additional Info	Toxicity information applies only to the concentrate. Oral, Dermal or Inhaled Toxicity are not applicable at use dilution		
Target Organs	Eyes (Lens or cornea), Skin, Central Nervous System		
Medical Conditions	Preexisting, eye, skin, central nervous system, 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:

CHEMICAL NAME	NTP	ACGIH	IARC	GHS Category
None Listed	NA	NA	NA	NA

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

CHEMICAL NAME	Germ Cell Mutagenicity	Toxic to Reproduction
None Listed	NA	NA

COMPONENTS ACUTE TOXICITY

CHEMICAL NAME	Type	Form	Subject	Result Value	Exposure Time	GHS Category
Quaternary Ammonium (1)	LD50	Dermal	Rabbit	3,340 mg/kg		(>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)
Quaternary Ammonium (2)	LD50	Dermal	Rabbit	3,340 mg/kg		(>2000 mg/kg)
	LD50	Oral	Rat	344 mg/kg		4 (>300, ≤2000 mg/kg)
	LD50	Inhaled	Rabbit	0.5 mg/L	4 Hours (Mist)	2 (>0.05, ≤0.5 mg/L)
Ethanol	LD50	Oral	Rat	7,060 mg/kg		(>2000 mg/kg)
	LDLo	Dermal	Rabbit	20,000 mg/kg		(>2000 mg/kg)
	LD50	Inhaled	Rat	66,000 mg/L	4 Hours (Vapor)	(>20 mg/L)

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>
Quaternary Ammonium (1)	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)
Quaternary Ammonium (2)	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)
Ethanol	LC50	Fathead Minnow	(Pimephales promelas)	15.3 mg/L	96 Hours	3 (>10, ≤100 mg/L)
Presistence And Degradability	This product is readily biodegradable according to the OECD definition					
Bioaccumulative Potential	No data available					
Mobility In Soil	No data available					
Other Adverse Effects	Toxic to aquatic life with long lasting effects					

SECTION – 13 DISPOSAL CONSIDERATIONS

DO NOT DUMP INTO ANY 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 $\frac{1}{4}$ 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		Proper Shipping Name <u>n.o.s. (Chemicals) or "Limits"</u>				
UN 1760		CORROSIVE LIQUIDS, n.o.s. (Quaternary Ammonium Compound)				
Hazard Class	Packing Group	Label Codes	Reportable Quantity (lbs)	Response	Marine Pollutant	Hazard Label
8	III	Corrosive Liquid	None	154		
Additional Info: Shipping information for: (Pails and Drums)						



UN Number		Proper Shipping Name <u>n.o.s. (Chemicals) or "Limits"</u>					
Ltd Qty		"Limited Quantity" "Inner packaging not over 5.0 Liters (1.3 gallons)"					
Hazard Class	Packing Group	Label Codes	Reportable Quantity (lbs)	Response	Marine Pollutant	Hazard Label	Secondary
None	None	None	None	128			
Additional Info:		Shipping information for: (Pints, Quarts and Gallons)					



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 (2)	Yes												
Quaternary Ammonium (1)	Yes												
REPORTABLE QUANTITIES													
CHEMICAL NAME	Extremely Hazardous			Reportable Quantity			Emission Reporting						
	EPCRA TPQ Sec 302	EPCRA RQ Sec 304	CERCLA RQ Sec 103	TRI Sec 313	RCRA Code	RMP TQ Sec 112r							
None Listed													
SARA													
CHEMICAL NAME	Section 311			Section 311 / 312 Hazards									
	Hazardous Chemical	Acute	Chronic	Flammable	Pressure	Reactive							
Ethanol	Yes		Yes	Yes									
Quaternary Ammonium (2)	Yes	Yes		Yes									
Quaternary Ammonium (1)	Yes	Yes		Yes									
RIGHT TO KNOW													
CHEMICAL NAME	STATE												
	CA	CT	FL	IL	LA	NJ	NY	PA	MI	MN	MA	RI	WI
Ethanol							Yes	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			Clean Water Acts								
		HAP	Ozone Class 1	Ozone Class 2	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 (2)	Yes	Yes	Yes			Yes	Yes	Yes					
Quaternary Ammonium (1)	Yes	Yes	Yes			Yes	Yes	Yes					
WHMIS Classification													
CHEMICAL NAME	DSL	Class	Description										
Quaternary Ammonium (1), Quaternary Ammonium (2)	Yes	E	Corrosive Material										
FIFRA Label Information													
<ul style="list-style-type: none"> This chemical is a pesticide product registered by the Environmental Protection Agency and is subject to certain labeling requirements under federal pesticide law. These requirements differ from the classification criteria and hazard information required for safety data sheets, and for workplace labels of non-pesticide chemicals. The following is the hazard information as required on the pesticide label. 													
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.