




Product Specifications:

- List N, EPA Registration # **10324-117**
- 80 wipes per canister
- Lab test approved kills 99.9% germs, virus and bacteria included SARS-CoV-2 (Covid 19)
- Active ingredient: Quaternary ammonium
- One - step clean and disinfect for hard nonporous surfaces



EPA Registration Number	Active Ingredient(s)	Product Name	Company	Contact Time (in minutes)	Formulation Type	Surface Types	Use Sites	Why is this product on List N?	To kill SARS-CoV-2 (COVID-19), follow disinfection directions for the following pathogen(s)	Date Added to List N
10324-117	Quaternary ammonium	Maquat 710-M	Mason Chemical Company	10	Dilutable	Hard Nonporous (HN); Food Contact Post-Rinse Required (FCR); Porous (P) (laundry presoak only)	Healthcare; Institutional; Residential	Kills a harder-to-kill pathogen than SARS-CoV-2 (COVID-19); Emerging viral pathogen claim	Norovirus; Feline calicivirus	06/08/2020

SAFETY DATA SHEET

This SDS is prepared in accordance with OSHA 29 CFR 1910.1200

 SDS (Pictograms)	CLASS E Corrosive Material @ >1%	HCS CLASS: Irritating Substance
	SDS (Classification) Corrosive	HCS

Section 1. Chemical Product and Company Identification

Product Name/Trade Name	Q-4	Code	508
Synonym	Disinfectant/Sanitizer	CAS #	Not Applicable.
Chemical Family	Quaternary Ammonium Compound	Validation Date	3/17/2020
EPA Reg. Number	10324-117-59163	In Case of Emergency	Chemtrec 800.424.9300
Manufacturer/Supplier	Acme Soap Company 1206 Fulton Avenue San Antonio, TX 78201 210-731-9800	Protective Clothing  	
TSCA	TSCA Inventory: All components listed or are exempt from listing		
DSL/NDSL	All components listed unless noted elsewhere on this SDS		

Section 2. Information on Hazardous Ingredients

Name	CAS #	% by Weight	Exposure Limits	LC50/LD50
Quaternary Ammonium Chloride Surfactant	7173-15-5 & 68424-85-1	5-10	Not available	n.a. / 590 mg/kg (80% soin)
Quaternary Ammonium Chloride Surfactant	32426-11-2 & 5535-94-3	5-10	Not available	Not available
Ethyl Alcohol	64-17-5	<3	Not available	Not available

Section 3. Hazards Identification

Emergency Overview	Clear, red colored liquid. Corrosive to th eyes, skin, gastrointestinal tract and respiratory system.
Potential Acute Health Effects	
Skin:	Causes corrosive burns. Brief exposure may cause irritation and defatting of the skin.
Eyes:	Causes burns and may result in permanent injury to eyes including blindness.
Ingestion:	May be harmful if swallowed including gastrointestinal irritation, nausea, vomiting and diarrhea.
Inhalation:	Mists and vapors can irritate the throat and respiratory tract. High vapor concentrations may cause central nervous system effects. Symptoms may include headaches, dizziness and drowsiness.
Potential Chronic Health Effects:	Ingestion of ethanol by pregnant women can cause reproductive toxicity to the fetus.

Section 4. First Aid Measures

Eye Contact	Immediately flush eyes with running water for at least 15 minutes, while holding eyelids open. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Seek medical attention.
Skin Contact	Remove and wash contaminated clothing before reuse. Rinse skin immediately with plenty of water.
Inhalation	If symptoms are present, move to fresh air. If person is not breathing call 911 or an ambulance, then give artificial respiration if possible
Ingestion	Do not induce vomiting. Drink water in large amounts and call a physician immediately. Avoid alcohol. Never give anything by mouth to an unconscious person.
Note to physician:	Probable mucosal damage may contraindicate the use of gastric lavage.

Section 5. Fire Fighting Measures

Products of Combustion	Not flammable.
Fire Fighting Media and Instruction	Use whatever media that is compatible with surrounding materials.
Special Remarks on Fire Hazards	Irritating and toxic gases or fumes may be released during a fire.
Special Remarks on Explosion Hazards	N/A

Section 6. Accidental Release Measures

Small Spill and Leak	Dike and contain spill with inert material (sand, earth, etc.) collect spill with mop, absorbent material (example: floor-dri) or vacuum. Thoroughly rinse affected area with water.	
Large Spill and Leak	Dike and contain spill with inert material (sand, earth, etc.) collect spill with mop, absorbent material (example: floor-dri) or vacuum. Floor will be extremely slippery. Do not touch or walk through spilled material. Thoroughly rinse affected area with water.	
Personal Protection in Case of a Large Spill	Approved safety goggles or glasses. Natural rubber or synthetic gloves.	Boots are recommended.

Section 7. Handling and Storage

Precautions	Do not contaminate food or water by storage or disposal. Store only in original container. See label instructions for container disposal. Do not reuse empty container. Do Not Breath Spray Mist.
Incompatibility	Do not mix with other cleaners and deoderants
Storage	Prevent electrostatic charge buildup by using common bonding and grounding techniques. Keep out of reach of children. Do not contaminate food or water by storage or disposal. Store only in original container. Do not reuse empty container. See label for container disposal.

Section 8. Exposure Controls/Personal Protection

Engineering Controls Good general ventilation should be sufficient to control airborne levels.

Personal Protection:

<i>Eyes</i>	Splash Goggles.
<i>Body</i>	Not required.
<i>Respiratory</i>	If exposure limits are exceeded or if irritation persists, NIOSH approved respiratory protection should be worn.
<i>Hands</i>	Gloves (natural rubber or synthetic)

Protective Clothing (pictogram)



General: Eye wash fountain and emergency shower are recommended.

Section 9. Physical and Chemical Properties

Physical State and Appearance	Liquid.	Odor	Typical Quaternary
Molecular Weight	Not applicable		
pH	7-8	Color	Red
Boiling/Condensation Point	212° F (100° C)		
Melting/Freezing Point	Not applicable		
Critical Temperature	Not Available.		
Instability Temperature	Not Available.		
Specific Gravity	0.9895 (8.25 lbs/gal)		
Vapor Pressure	Not Available.		
Vapor Density	Estimated to be heavier than air.		
Volatility	75-95		
VOC	1.50%		
Evaporation Rate	Not Available.		
Dispersion Properties	Not available.		
Solubility	Complete in water		
The Product is:	Stable		
Auto-ignition Temperature	None		
Flash Points	None		
Flammable Limits	Not applicable		
Fire Hazards in Presence of Various Substances	No specific information is available in our database regarding the flammability of this product in the presence of various materials.		
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.		

Section 10. Stability and Reactivity Data

Stability	This product is stable.
Incompatibility with Various Substances	Keep away from heat and strong oxidizing agents.
Hazardous Decomposition Products	Carbon monoxide, carbon dioxide and toxic hydrogen chloride vapors.

Section 11. Toxicological Information

Routes of Entry	Skin absorption, Ingestion, Inhalation	
Acute Effects on Humans	<i>Eyes</i>	Corrosive
	<i>Skin</i>	Corrosive
	<i>Inhalation</i>	No unusual vapor hazards.
	<i>Ingestion</i>	1850 mg/kg for male and female rats combined.
Chronic Effects on Humans	Not Available.	
Special Remarks on Chronic Effects on Humans	No additional remark.	



Section 12. Ecological Information

Ecotoxicity	Very toxic to aquatic organisms
BOD5 AND COD	Not available.
Products of Biodegradation	Not available.
Toxicity of the Products of Biodegradation	Not available.
Special Remarks on the Products of Biodegradation	Product is biodegradable.

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.) 8 Corrosive (Pictograms)	 	
TDG Classification	Compound Cleaning Liquid N.O.T.	
PIN UN, Proper Shipping Name, PG	Shipping name: UN1903,8, PG II, Disinfectant liquid corrosive (Quaternary Ammonium Compound)	
Maritime Transportation	Not available.	
Special Provisions for Transport	Not available.	

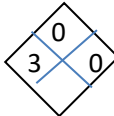
Section 15. Other Regulatory Information and Pictograms

(Classification)	
	Material causing other toxic effects.

Regulatory Lists	No products were found.
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Other Regulations	OSHA: Hazardous by definition of Hazard Communication Standard (29 CFR 1910.1200).
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Other Classifications	HCS (U.S.A.)	HCS CLASS: Irritating Substance
	USA Regulatory Lists	SARA Title III Section 302 Extremely Hazardous Chemicals: None Section 311/312 Hazard Category: Immediate Health Hazard Section 313 Toxic Chemicals: None State Regulations NOTICE STATE OF CALIFORNIA: Warning: this product may contain chemicals known to the State of California to cause cancer or reproductive defects as trace impurities in the standard industrial materials used in the manufacture of this product.
	DSD (EEC) International Regulations Lists	Controlled Product Hazard Class:

Hazardous Material Information System (U.S.A.)	Health	3	National Fire Protection Association (U.S.A.)	 Flammability Instability
	Flammability	0		
	Physical Hazard	0		

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

Prepared by Tom Stratil	Verified by Tom Stratil
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Information Contact	Acme Soap Company 1206 Fulton Avenue San Antonio, TX 78201
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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.