



Clorox Professional Products Company
 1221 Broadway
 Oakland, CA 94612
 Tel. (510) 271-7000

Material Safety Data Sheet

I Product: CLOROX COMMERCIAL SOLUTIONS® PRO QUATERNARY ALL-PURPOSE DISINFECTANT CLEANER 1	
Description: CLEAR BLUE LIQUID	
Other Designations	Distributor
EPA # 1839-166-67619	The Clorox Sales Company 1221 Broadway Oakland, CA 94612
Emergency Telephone Nos.	
For Medical Emergencies call: (800) 446-1014 For Transportation Emergencies, call Chemtrec: (800) 424-9300	

II Health Hazard Data	III Hazardous Ingredients																		
<p>DANGER: CORROSIVE. Causes irreversible eye damage and skin burns. May be fatal if absorbed through skin. Harmful if swallowed. May affect breathing.</p> <p>FIRST AID: EYE CONTACT: Immediately flush eyes with plenty of water for at least 15 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. If irritation persists, see a doctor.</p> <p>SKIN CONTACT: Remove contaminated clothing. Immediately flush skin with plenty of water for at least 15-20 minutes. Call a poison control center or doctor for treatment advice. Wash contaminated clothing before reuse.</p> <p>INGESTION: Do not induce vomiting. Drink a glassful of water. Immediately Call a poison control center or doctor for treatment advice. Do not give anything by mouth to an unconscious or convulsing person.</p> <p>INHALATION: Immediately move the affected person to fresh air. If the person is not breathing, call 911 or an ambulance, and then give artificial respiration. Call a poison control center or doctor for treatment advice. High vapor or aerosol mist concentrations may be irritating to the nose, throat and upper respiratory tract. Excessive inhalation of this material causes headache, dizziness, nausea and loss of motor skills.</p>	<table border="1"> <thead> <tr> <th>Ingredients</th> <th>Concentration</th> <th>Worker Exposure Limit</th> </tr> </thead> <tbody> <tr> <td>Alkyl(40% C₁₂, 50% C₁₄, 10% C₁₆) dimethyl benzyl ammonium chloride CAS # 68424-85-1</td> <td>1 - 5%</td> <td>Not established</td> </tr> <tr> <td>Octyl decyl dimethyl ammonium chloride CAS # 68424-95-3</td> <td>1 - 5%</td> <td>Not established</td> </tr> <tr> <td>Diocetyl dimethyl ammonium chloride CAS # 5538-94-3</td> <td>1 - 5%</td> <td>Not established</td> </tr> <tr> <td>Didecyl dimethyl ammonium chloride CAS # 7173-51-5</td> <td>1 - 5%</td> <td>Not established</td> </tr> <tr> <td>Ethyl alcohol CAS # 64-17-5</td> <td>1 - 5%</td> <td>1000 ppm - TLV-TWA 1000 ppm - PEL</td> </tr> </tbody> </table> <p>TLV-TWA = ACGIH Threshold Limit Value - Time Weighted Average PEL = OSHA Permissible Exposure Limit - Time Weighted Average</p> <p>None of the materials in this product are on the IARC, OSHA, or NTP carcinogen lists.</p>	Ingredients	Concentration	Worker Exposure Limit	Alkyl(40% C ₁₂ , 50% C ₁₄ , 10% C ₁₆) dimethyl benzyl ammonium chloride CAS # 68424-85-1	1 - 5%	Not established	Octyl decyl dimethyl ammonium chloride CAS # 68424-95-3	1 - 5%	Not established	Diocetyl dimethyl ammonium chloride CAS # 5538-94-3	1 - 5%	Not established	Didecyl dimethyl ammonium chloride CAS # 7173-51-5	1 - 5%	Not established	Ethyl alcohol CAS # 64-17-5	1 - 5%	1000 ppm - TLV-TWA 1000 ppm - PEL
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IV Special Protection and Precautions	V Transportation and Regulatory Data
<p>Hygienic Practices: Do not use undiluted product. Read label carefully and follow dilution instructions on the product label. Avoid breathing of vapors, mists or spray. Wash hands after direct contact. Remove contaminated clothes and wash before reuse.</p> <p>Engineering Controls: Use adequate ventilation to minimize exposure to product vapor or mist.</p> <p>Personal Protective Equipment: Wear goggles or face shield, rubber gloves, and protective clothing. Wear chemical resistant gloves for repeated or prolonged skin contact. If inhalation exposure limits are exceeded or if irritation is experienced, NIOSH-approved respiratory protection should be worn.</p>	<p>DOT/IATA/IMDG: UN 1760, Corrosive Liquid N.O.S. (quatarnary ammonium chloride) Class 8, PG III.</p> <p>EPA - SARA Title III/CERCLA: This product is regulated under Sections 311/312. It contains no chemicals that are regulated under Section 313 or Section 304/CERCLA.</p> <p>TSCA STATUS: All components of this product are on the TSCA Inventory.</p>

VI Spill Procedures/Waste Disposal	VII Reactivity Data
<p>Spill Procedures: Absorb and containerize. Wash residual down to sanitary sewer. Contact the sanitary treatment facility in advance to assure ability to process washed-down material.</p> <p>Waste Disposal: Dispose of in accordance with all applicable federal, state, and local regulations.</p>	<p>Stable under normal use and storage conditions.</p> <p>Conditions to avoid: Oxidizers</p>

VIII Fire and Explosion Data	IX Physical Data
<p>Flash Point: >200 °F</p> <p>Fire Extinguishing Agents: Foam, Dry Chemical, Water, CO₂</p> <p>Products of Combustion: Thermal decomposition or burning may produce toxic vapors or gases, including oxides of carbon and nitrogen.</p>	<p>pH.....~6.6</p> <p>Solubility in Water..... complete</p> <p>Specific Gravity (H₂O=1) 1.0 g/mL</p>