



## Clorox Professional Products Company

1221 Broadway  
Oakland, CA 94612  
Tel. 1-510-271-7000

# Material Safety Data Sheet

<b>I Product:</b> CLOROX COMMERCIAL SOLUTIONS® CLOROX® 4 IN ONE DISINFECTANT & SANITIZER														
<b>Description:</b> CLEAR, COLORLESS, THIN LIQUID WITH AN ORANGE, CITRUS ODOR														
<b>Other Designations</b>	<b>Distributor</b>	<b>Emergency Telephone Nos.</b>												
EPA Reg. No. 67619-29	The Clorox Sales Company 1221 Broadway Oakland, CA 94612	For Medical Emergencies, call 1-800-446-1014.  For Transportation Emergencies, call 1-800-424-9300 (Chemtrec).												
<b>II Health Hazard Data</b>		<b>III Hazardous Ingredients</b>												
<p>Cause moderate eye irritation. Inhalation of high concentrations may cause irritation of the respiratory tract, headaches, dizziness, nausea, vomiting, and malaise. Ingestion may cause central nervous system depression, gastrointestinal irritation, nausea, vomiting, and diarrhea.</p> <p>No medical conditions are known to be aggravated by exposure to this product.</p> <p><b>FIRST AID:</b></p> <p><b>EYE CONTACT:</b> Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after first 5 minutes, then continue rinsing eye. If irritation persists, call a doctor.</p> <p><b>SKIN CONTACT:</b> Wash skin with soap and water. If irritation persists, call a doctor.</p> <p><b>INGESTION:</b> Drink a glassful of water. Call a doctor or poison control center.</p> <p><b>INHALATION:</b> Move person to fresh air. If breathing problems develop, call a doctor.</p>		<table border="1"> <thead> <tr> <th>Ingredient</th> <th>Concentration</th> <th>Worker Exposure Limit</th> </tr> </thead> <tbody> <tr> <td>Ethanol CAS # 64-17-5</td> <td>50 - 75%</td> <td>1000 ppm - TLV-TWA<sup>a</sup> 1000 ppm - PEL<sup>b</sup></td> </tr> <tr> <td>Dipropylene glycol CAS # 25265-71-8</td> <td>3 - 7%</td> <td>Not established.</td> </tr> <tr> <td>Propane CAS # 74-98-6</td> <td>1 - 5%</td> <td>1000 ppm - TLV-TWA<sup>a,c</sup> 1000 ppm - PEL<sup>b</sup></td> </tr> </tbody> </table> <p><sup>a</sup>TLV-TWA = ACGIH Threshold Limit Value - Time Weighted Average  <sup>b</sup>PEL = OSHA Permissible Exposure Limit - Time Weighted Average  <sup>c</sup>ACGIH TLV-TWA for aliphatic hydrocarbon gases (C1-C4 alkanes)</p> <p>None of the materials in this product are on the IARC, OSHA, or NTP carcinogen lists.</p>	Ingredient	Concentration	Worker Exposure Limit	Ethanol CAS # 64-17-5	50 - 75%	1000 ppm - TLV-TWA <sup>a</sup> 1000 ppm - PEL <sup>b</sup>	Dipropylene glycol CAS # 25265-71-8	3 - 7%	Not established.	Propane CAS # 74-98-6	1 - 5%	1000 ppm - TLV-TWA <sup>a,c</sup> 1000 ppm - PEL <sup>b</sup>
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<b>IV Special Protection and Precautions</b>		<b>V Transportation and Regulatory Data</b>												
<p><b>Hygienic Practices:</b> Wash hands with soap and water after use.</p> <p><b>Engineering Controls:</b> Use local exhaust to minimize exposure to product mist.</p> <p><b>Personal Protective Equipment:</b> Wear safety glasses. Wear rubber or neoprene gloves if there is the potential for repeated or prolonged skin contact. In situations where exposure limits may be exceeded, a NIOSH-approved respirator is advised.</p> <p>Use only in well-ventilated areas. Contents under pressure. Keep away from heat, sparks, and open flame. Store at temperatures below 54°C. Do not puncture or incinerate container. Store in accordance with NFPA 30B for Level 2 aerosols.</p>		<p><b>DOT:</b> Consumer Commodity ORM-D.</p> <p><b>IMDG:</b> Aerosols, flammable, n.o.s., UN1950, Class 2.1, limited quantity.</p> <p><b>IATA:</b> Aerosols, flammable, n.o.s., UN1950, Class 2.1.</p> <p><b>EPA - SARA Title III/CERCLA:</b> This product is regulated under Sections 311/312. This product contains no chemicals that are regulated under Section 313 or under Section 304/CERCLA.</p> <p><b>TSCA 8(b):</b> All components of this product are either on the TSCA 8(b) Inventory or otherwise exempt from listing.</p> <p><b>TSCA 12(b):</b> This product is not subject to TSCA 12(b) reporting requirements.</p>												
<b>VI Spill Procedures/Waste Disposal</b>		<b>VII Reactivity Data</b>												
<p><b>Spill Procedures:</b> WARNING - FLAMMABLE. Eliminate all potential sources of ignition, and ventilate area. Wear respiratory protection for large spills. Absorb and containerize. Do not flush into surface water or sanitary sewer system.</p> <p><b>Waste Disposal:</b> Dispose of in accordance with all applicable federal, state, and local regulations.</p>		<p>Stable under normal use and storage conditions.</p> <p>Can react with strong oxidizers, inorganic acids, and halogens.</p>												
<b>VIII Fire and Explosion Data</b>		<b>IX Physical Data</b>												
<p><b>Flashpoint (liquid):</b> 19°C (closed cup)</p> <p><b>Flame extension:</b> 18 inches without flashback</p> <p><b>Fire Extinguishing Agents:</b> Dry chemical, carbon dioxide (CO<sub>2</sub>), foam, or water spray.</p> <p><b>Fire and Explosion Hazards/Protective Equipment:</b> Containers may rupture at temperatures greater than 54°C. Cool exposed containers to avoid potential bursting or venting. Use equipment or shielding to protect personnel from bursting containers.</p> <p><b>NFPA Aerosol Classification:</b> Level 2.</p> <p>Keep containers cool with water spray. Alcohol flames may not be readily visible.</p>		<p>pH (liquid)..... 6.5 - 8.5</p> <p>Specific gravity (liquid) .....~0.85</p> <p>Solubility in water (liquid) .....Soluble</p>												