

**The Clorox Company**

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

**Material Safety  
Data Sheet**

<b>I Product:</b> FORMULA 409® ANTIBACTERIAL ALL PURPOSE CLEANER		
<b>Description:</b> GREEN LIQUID		
<b>Other Designations</b>	<b>Distributor</b>	<b>Emergency Telephone Nos.</b>
5813-73	Clorox Sales Company 1221 Broadway Oakland, CA 94612	For Medical Emergencies call: (800) 446-1014 For Transportation Emergencies Chemtrec (800) 424-9300

<b>II Health Hazard Data</b>	<b>III Hazardous Ingredients</b>												
<p>EYE IRRITANT. Avoid eye and prolonged skin contact. Do not ingest.</p> <p><b>FIRST AID:</b></p> <p><b>EYE CONTACT:</b> Immediately flush eyes with plenty of water. If irritation persists, see a doctor.</p> <p><b>SKIN CONTACT:</b> Wash with water. Seek medical attention if irritation develops or persists.</p> <p><b>INGESTION:</b> Drink a glassful of water. Call a physician. Do not induce vomiting. Do not give anything by mouth to an unconscious or convulsing person.</p> <p><b>INHALATION:</b> If breathing problems develop remove to fresh air. Seek medical attention if respiratory irritation develops or breathing becomes difficult.</p>	<table border="1"> <thead> <tr> <th>Ingredients</th> <th>Concentration</th> <th>Worker Exposure Limit</th> </tr> </thead> <tbody> <tr> <td>n-Alkyl (C12-16) Dimethylbenzyl Ammonium Chloride CAS #68424-85-1</td> <td>0.3-0.6%</td> <td>None Established</td> </tr> <tr> <td>n-Propoxypropanol CAS # 1569-01-3</td> <td>0.5 - 2%</td> <td>None Established</td> </tr> <tr> <td>Monoethanolamine CAS #141-43-5</td> <td>0.5 - 1.5%</td> <td>3 ppm - TLV-TWA<sup>a</sup> 3 ppm - PEL<sup>b</sup> 6 ppm - TLV-STEL<sup>c</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>TLV-STEL = ACGIH Threshold Limit Value - Short Term Exposure Limit</p> <p>None of the materials in this product are on the IARC, OSHA, or NTP carcinogen lists.</p>	Ingredients	Concentration	Worker Exposure Limit	n-Alkyl (C12-16) Dimethylbenzyl Ammonium Chloride CAS #68424-85-1	0.3-0.6%	None Established	n-Propoxypropanol CAS # 1569-01-3	0.5 - 2%	None Established	Monoethanolamine CAS #141-43-5	0.5 - 1.5%	3 ppm - TLV-TWA <sup>a</sup> 3 ppm - PEL <sup>b</sup> 6 ppm - TLV-STEL <sup>c</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 after direct contact. Do not wear product-contaminated clothing for prolonged periods.</p> <p><b>Engineering Controls:</b> Use general ventilation to minimize exposure to product vapor or mist.</p> <p><b>Personal Protective Equipment:</b> Wear safety glasses. Wear gloves for repeated or prolonged skin contact.</p>	<p><b>DOT/IATA/IMDG:</b> Not restricted.</p> <p><b>EPA - SARA Title III/CERCLA:</b> Packaged product is not reportable under Sections 311/312;; and contains no chemicals which are regulated under Section 304 or 313/CERCLA.</p> <p><b>TSCA Status:</b> All components of this product are on the TSCA Inventory.</p>

<b>VI Spill Procedures/Waste Disposal</b>	<b>VII Reactivity Data</b>
<p><b>Spill Procedures:</b> 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><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>Conditions to avoid: Oxidizers.</p>

<b>VIII Fire and Explosion Data</b>	<b>IX Physical Data</b>
<p><b>Flash Point:</b> &gt;200 °F</p> <p><b>Fire Extinguishing Agents:</b> Foam, Dry Chemical, Water, CO<sub>2</sub></p> <p><b>Products of Combustion:</b> Thermal decomposition or burning may produce toxic vapors or gases, including oxides of carbon and nitrogen.</p>	<p>pH..... 10.5</p> <p>Solubility in Water..... complete</p> <p>Specific Gravity (H<sub>2</sub>O=1).....~1.0</p>