



**The Clorox Company**

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

**Material Safety  
Data Sheet**

<b>I Product:</b> FORMULA 409® ANTIBACTERIAL KITCHEN ALL-PURPOSE CLEANER – LEMON FRESH											
<b>Description:</b> CLEAR, YELLOW, THIN LIQUID WITH A CITRUS, GREEN, FRUITY ODOR											
<b>Other Designations</b>	<b>Distributor</b>	<b>Emergency Telephone Nos.</b>									
EPA Reg. No. 5813-73	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>Causes moderate eye irritation.</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 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> Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. If irritation develops, call a doctor.</p> <p><b>INGESTION:</b> Call a poison control center or doctor immediately for treatment advice. Have person sip a glassful of water if able to swallow. Do not induce vomiting unless told to do so by a poison control center or doctor. Do not give anything by mouth to an unconscious person.</p> <p><b>INHALATION:</b> Move person to fresh air. If breathing problems develop, call a doctor.</p>		<table border="1"> <thead> <tr> <th><u>Ingredient</u></th> <th><u>Concentration</u></th> <th><u>Worker Exposure Limit</u></th> </tr> </thead> <tbody> <tr> <td>Alkyl (40% C12, 50% C14, 10% C16) dimethyl benzyl ammonium chloride CAS # 68424-85-1</td> <td>0.2 - 0.4%</td> <td>Not established.</td> </tr> <tr> <td>Lauramine oxide CAS # 1643-20-5</td> <td>0.5 - 1.5%</td> <td>Not established.</td> </tr> </tbody> </table> <p>None of the materials in this product are on the IARC, OSHA, or NTP carcinogen lists.</p>	<u>Ingredient</u>	<u>Concentration</u>	<u>Worker Exposure Limit</u>	Alkyl (40% C12, 50% C14, 10% C16) dimethyl benzyl ammonium chloride CAS # 68424-85-1	0.2 - 0.4%	Not established.	Lauramine oxide CAS # 1643-20-5	0.5 - 1.5%	Not established.
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<b>IV Special Protection and Precautions</b>		<b>V Transportation and Regulatory Data</b>									
<p><b>Hygienic Practices:</b> Wash thoroughly with soap and water after handling.</p> <p><b>Engineering Controls:</b> Use general ventilation to minimize exposure to product mist.</p> <p><b>Personal Protective Equipment:</b> Wear safety glasses. Wear rubber or neoprene gloves for sensitive skin or if there is the potential for repeated or prolonged skin contact.</p> <p>Avoid contact with foods.</p>		<p><b>DOT/IATA/IMDG:</b> Not restricted.</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 and contains potassium hydroxide (CAS # 1310-58-3, &lt;0.1%) that is regulated 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> 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>		Stable under normal use and storage conditions.									
<b>VIII Fire and Explosion Data</b>		<b>IX Physical Data</b>									
<p><b>Flash Point:</b> &gt;93°C (closed cup).</p> <p><b>Fire Extinguishing Agents:</b> Dry chemical, carbon dioxide (CO<sub>2</sub>), foam, or water spray.</p>		<p>pH..... 9 -11.5</p> <p>Specific gravity.....~1.0</p> <p>Solubility in water.....Soluble</p>									