



The Clorox Company
1221 Broadway
Oakland, California 94621
Tel. (510) 271-7000

Material Safety
Data Sheet

I Product: PRO 409 ANTIBACTERIAL														
Description: Clear Green Liquid														
Other Designations	Distributed by	Emergency Telephone No.												
EPA Registration Number 5813-55	Clorox Sales Company 1221 Broadway Oakland, CA 94612	For Medical Emergencies call: Rocky Mountain Poison Center (800) 446-1014 For Transportation Emergencies Call: (800) 424-9300												
II Health Hazard Data		III Hazardous Ingredients												
<p>Eye Irritant. Direct or prolonged skin contact may result in irritation. Avoid contact with food.</p> <p>Overexposure to this product may cause the Worker Exposure Limit of 2-butoxyethanol to be exceeded. 2-butoxyethanol has been shown to cause red blood cell hemolysis in laboratory animals and secondary injury to the kidney and liver. However, humans appear to be resistant to this effect.</p> <p>No known medical conditions are known to be aggravated by exposure to this product.</p> <p>FIRST AID:</p> <p>EYES: Flush eyes with water for at least 15 minutes. Call physician if irritation occurs.</p> <p>SKIN CONTACT: Rinse skin with water. If irritation develops contact a physician.</p> <p>INGESTION: Drink a glassful of water to dilute. Call a physician.</p> <p>INHALATION: Remove from area to fresh air. Seek medical attention if respiratory irritation develops or if 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>Alkyl (C₁₂ 40%; C₁₄ 50%; C₁₆ 10%) dimethyl benzyl ammonium chloride CAS #68424-85-1</td> <td>0.8%</td> <td>Not Established</td> </tr> <tr> <td>Ethylene Glycol, Monobutyl Ether CAS #111-76-2</td> <td>3-8%</td> <td>25 ppm TLV-TWA 25 ppm PEL</td> </tr> <tr> <td>Potassium carbonate CAS#584-08-7</td> <td>1-3%</td> <td>Not Established</td> </tr> </tbody> </table> <p>Note that 2-butoxyethanol can be absorbed through the skin and may contribute to overall exposure.</p> <p>None of the ingredients in this product is on the IARC, NTP or OSHA carcinogen lists.</p> <p>TLV-TWA - Threshold Limit Value - Time Weighted Average Source: ACGIH 1995-1996. PEL - Permissible Exposure Limit. Source: OSHA</p>	Ingredients	Concentration	Worker Exposure Limit	Alkyl (C ₁₂ 40%; C ₁₄ 50%; C ₁₆ 10%) dimethyl benzyl ammonium chloride CAS #68424-85-1	0.8%	Not Established	Ethylene Glycol, Monobutyl Ether CAS #111-76-2	3-8%	25 ppm TLV-TWA 25 ppm PEL	Potassium carbonate CAS#584-08-7	1-3%	Not Established
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IV Special Protection and Precautions		V Transportation and Regulatory Data												
<p>The following recommendations are given for production facilities and for other conditions and situations where there is increased potential for accidental, large-scale, or prolonged exposure:</p> <p>Hygienic Practices: Wash hands after direct contact.</p> <p>Engineering Controls: Use general ventilation to minimize exposure to mist.</p> <p>Work Practices: Wear safety glasses and gloves. Do not inhale vapor or mist.</p>		<p>DOT: Not restricted per 49 CFR 173.120(a)(3) and Appendix H.</p> <p>IMO: Not restricted per IMDG Code Page 0015 Paragraph 5.1.3.1.1</p> <p>IATA: Not restricted per IATA D.G.R. Sections 3.3.1.2 and 3.3.5</p> <p>TSCA Status: All components of this product are on the TSCA Inventory.</p> <p>EPA - SARA Title III/CERCLA: Bottled product is not reportable under Sections 317/312; contains no chemicals regulated under Section 313; and contains glycol ethers < 8% which is regulated under Section 304/CERCLA.</p>												
VI Spill or Leak Procedures		VII Reactivity Data												
<p>Spill Procedures: Absorb and containize. 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>		Stable under normal use and storage conditions.												
VIII Fire and Explosion Data		IX Physical Data												
<p>Flash Point: 129°F</p> <p>Fire Extinguishing Agents: Dry Chemical, carbon dioxide (CO₂), foam, or water spray.</p>		<p>pH..... ~11.3</p> <p>Specific Gravity..... 1.01 @ 25C</p> <p>Solubility in Water..... Soluble</p>												

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DATE PREPARED 2/95

DATA SUPPLIED IS FOR USE ONLY IN CONNECTION WITH OCCUPATIONAL SAFETY AND HEALTH