



The Clorox Company

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

Material Safety Data Sheet

I Product: FORMULA 409® ANTIBACTERIAL ALL PURPOSE CLEANER

Description: CLEAR LIQUID

| Other Designations | Distributor | Emergency Telephone Nos. |
|--------------------|--|--|
| | Clorox Sales Company 1221 Broadway Oakland, CA 94612 | For Medical Emergencies call: (800) 446-1014 For Transportation Emergencies Chemtrac (800) 424-9300 |

| II Health Hazard Data | III Hazardous Ingredients | | | | | | | | | |
|--|--|------------------------------|---------------|-----------------------|---|------|-----------------|---|--------|------------------------------|
| <p>CAUTION: EYE IRRITANT. Avoid eye and prolonged skin contact. Do not ingest.</p> <p>FIRST AID:</p> <p>EYE CONTACT: Flush eyes with plenty of water for several minutes. Seek medical attention if irritation develops or persists.</p> <p>SKIN CONTACT: Wash affected areas with plenty of water, and soap if available, for several minutes. Seek medical attention if irritation develops or persists.</p> <p>INGESTION: Drink a glassful of water to dilute. Call a physician. Do not induce vomiting. Do not give anything by mouth to an unconscious or convulsing person.</p> <p>INHALATION: Remove from area to fresh air. Seek medical attention if respiratory irritation develops or if breathing becomes difficult.</p> <p>KEEP OUT OF REACH OF CHILDREN</p> | <table border="1"> <thead> <tr> <th>Ingredients</th> <th>Concentration</th> <th>Worker Exposure Limit</th> </tr> </thead> <tbody> <tr> <td>Alkyl (C₁₂40%; C₁₄50% C₁₆10%) dimethyl benzyl Ammonium chloride CAS# 68424-85-1</td> <td>0.3%</td> <td>Not Established</td> </tr> <tr> <td>Ethylene Glycol Monobutyl Ether CAS #111-76-2</td> <td>0.5-5%</td> <td>25 ppm TLV-TWA 25 ppm PEL</td> </tr> </tbody> </table> <p>Substance can be absorbed through the skin and may contribute to overall exposure. None of the ingredient sin this product are on the IARC, NTP or OSHA carcinogen lists.</p> <p>TLV-TWA - Threshold Limit Value - Time Weighted Average. Source: ACGIH 1985-86.</p> <p>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 | 0.3% | Not Established | Ethylene Glycol Monobutyl Ether CAS #111-76-2 | 0.5-5% | 25 ppm TLV-TWA 25 ppm PEL |
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| IV Special Protection and Precautions | V Transportation and Regulatory Data |
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| <p>Ventilation: In processes where mists or vapors may be generated, proper ventilation must be provided in accordance with good ventilation practices.</p> <p>Respiratory Protection: Where mist or vapors are generated by the process, a NIOSH/MSHA jointly approved respirator is advised in the absence of proper and environmental controls.</p> <p>Protective Gloves: Rubber or neoprene, when needed, to prevent skin contact.</p> | <p>U.S. DOT Hazard Class: Not restricted</p> <p>U.S. DOT Proper Shipping Name: Not restricted.</p> <p>EPA - SARA Title III/CERCLA: Bottled product is not reportable under Sections 311/312; contains chemicals regulated under Section 313 (ethylene oxide = trace, glycol ethers < 5%); and contains chemicals (glycol ethers < 5%, ethylenediaminetetracetic acid < 1.0%, ethylene oxide = trace, and sodium hydroxide < 0.5%) which are regulated under 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 |
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| <p>Spill Procedures: Caution! Floors may become slippery. Wear appropriate protective equipment and NIOSH/MSHA approved respirator where mist or vapors of unknown concentrations may be generated (self-contained breathing apparatus preferred).</p> <p>Dike and contain spill with inert material (sand, earth, etc.) and tranfer the liquid and solid separately to containers for recovery or disposal. Keep spill out of sewers an open bodies of water.</p> | <p>Stable under normal use and storage conditions.</p> <p>Avoid strong oxidant or reducing agents.</p> |

| VIII Fire and Explosion Data | IX Physical Data |
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| <p>Flash Point: >200°F</p> <p>Fire Extinguishing Agents: Foam, Dry Chemical, Water, CO₂.</p> <p>Unusual Fire and Explosion Hazards: Products of combustion are toxic.</p> | <p>pH 12.0</p> <p>Percent Volatile..... 98</p> <p>Specific Gravity 1.01 @ 25°C</p> <p>Solubility in Water Soluble</p> |