

The Clorox Company

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

Material Safety Data Sheet

I Product:		FORMULA 409® ALL PURPOSE CLEANER ANTIBACTERIAL KITCHEN LEMON FRESH													
Description:		YELLOW LIQUID WITH A LEMON ODOR													
Other Designations		Distributor	Emergency Telephone Nos.												
5813-73		Clorox Sales Company 1221 Broadway Oakland, CA 94612	For Medical Emergencies call: (800) 446-1014 For Transportation Emergencies Chemtrec (800) 424-9300												
II Health Hazard Data		III Hazardous Ingredients													
EYE IRRITANT. Avoid eye and prolonged skin contact. Do not ingest. <u>FIRST AID:</u> <u>EYE CONTACT:</u> Immediately flush eyes with plenty of water. If irritation persists, see a doctor. <u>SKIN CONTACT:</u> Wash with water. Seek medical attention if irritation develops or persists. <u>INGESTION:</u> Drink a glassful of water. Call a physician. Do not induce vomiting. Do not give anything by mouth to an unconscious or convulsing person. <u>INHALATION:</u> If breathing problems develop remove to fresh air. Seek medical attention if respiratory irritation develops or breathing becomes difficult.		<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^a 3 ppm - PEL^b 6 ppm - TLV-STEL^c</td> </tr> </tbody> </table> ^aTLV-TWA = ACGIH Threshold Limit Value - Time Weighted Average ^bPEL = OSHA Permissible Exposure Limit - Time Weighted Average ^cTLV-STEL = ACGIH Threshold Limit Value - Short Term Exposure Limit None of the materials in this product are on the IARC, OSHA, or NTP carcinogen lists.		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 ^a 3 ppm - PEL ^b 6 ppm - TLV-STEL ^c
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IV Special Protection and Precautions		V Transportation and Regulatory Data													
<u>Hygienic Practices:</u> Wash hands after direct contact. Do not wear product-contaminated clothing for prolonged periods. <u>Engineering Controls:</u> Use general ventilation to minimize exposure to product vapor or mist. <u>Personal Protective Equipment:</u> Wear safety glasses. Wear gloves for repeated or prolonged skin contact.		<u>DOT/IATA/IMDG:</u> Not restricted. <u>EPA - SARA Title III/CERCLA:</u> Packaged product is not reportable under Sections 311/312; and contains no chemicals which are regulated under Section 304 or 313/CERCLA. <u>TSCA Status:</u> All components of this product are on the TSCA Inventory.													
VI Spill Procedures/Waste Disposal		VII Reactivity Data													
<u>Spill Procedures:</u> Absorb and containerize. Wash residual down to sanitary sewer. Contact the sanitary treatment facility in advance to assure ability to process washed-down material. <u>Waste Disposal:</u> Dispose of in accordance with all applicable federal, state, and local regulations.		Stable under normal use and storage conditions. Conditions to avoid: Oxidizers													
VIII Fire and Explosion Data		IX Physical Data													
<u>Flash Point:</u> >200 °F <u>Fire Extinguishing Agents:</u> Foam, Dry Chemical, Water, CO₂ <u>Products of Combustion:</u> Thermal decomposition or burning may produce toxic vapors or gases, including oxides of carbon and nitrogen.		pH.....10.5 Solubility in Water..... complete Specific Gravity (H₂O=1) ~1.0													

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DATA SUPPLIED IS FOR USE ONLY IN CONNECTION WITH OCCUPATIONAL SAFETY AND HEALTH DATE PREPARED 8/07