



Clorox Professional Products Company
 1221 Broadway
 Oakland, CA 94612
 Tel. (510) 271-7000

Material Safety Data Sheet

I Product: COMMERCIAL SOLUTIONS® FORMULA 409® CLEANER DEGREASER										
Description: CLEAR, GREEN, THIN LIQUID WITH SOLVENT ODOR										
Other Designations	Distributor									
	Clorox Sales Company 1221 Broadway Oakland, CA 94612									
Emergency Telephone Nos.										
For Medical Emergencies, call 1-800-446-1014 For Transportation Emergencies, call Chemtrec 1-800-424-9300										
II Health Hazard Data	III Hazardous Ingredients									
<p><u>CAUTION:</u> EYE IRRITANT. Avoid eye and prolonged skin contact. Do not ingest.</p> <p>No medical conditions are known to be aggravated by exposure to this product.</p> <p><u>FIRST AID:</u></p> <p><u>EYE CONTACT:</u> Immediately flush eyes with plenty of water. If irritation persists, see a doctor.</p> <p><u>SKIN CONTACT:</u> Wash with water. Seek medical attention if irritation develops or persists.</p> <p><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.</p> <p><u>INHALATION:</u> If breathing problems develop remove to fresh air. Seek medical attention if respiratory irritation develops or breathing becomes difficult.</p> <p>KEEP OUT OF REACH OF CHILDREN.</p>	<table border="1"> <thead> <tr> <th>Ingredient</th> <th>Concentration</th> <th>Worker Exposure Limit</th> </tr> </thead> <tbody> <tr> <td>Alkyl (40% C₁₂, 50% C₁₄, 10% C₁₆) dimethyl benzyl ammonium chlorides CAS# 68424-85-1</td> <td>< 0.4%</td> <td>Not established.</td> </tr> <tr> <td>2-Butoxyethanol CAS # 111-76-2</td> <td>0.5 - 5%</td> <td>20 ppm - skin TLV-TWA^a 50 ppm - skin PEL^b</td> </tr> </tbody> </table> <p>Note that 2-butoxyethanol can be absorbed through the skin. This may contribute to overall exposure.</p> <p>^aTLV-TWA = ACGIH Threshold Limit Value - Time Weighted Average ^bPEL = OSHA Permissible Exposure Limit - Time Weighted Average</p> <p>None of the materials in this product are on the IARC, OSHA, or NTP carcinogen lists.</p>	Ingredient	Concentration	Worker Exposure Limit	Alkyl (40% C ₁₂ , 50% C ₁₄ , 10% C ₁₆) dimethyl benzyl ammonium chlorides CAS# 68424-85-1	< 0.4%	Not established.	2-Butoxyethanol CAS # 111-76-2	0.5 - 5%	20 ppm - skin TLV-TWA ^a 50 ppm - skin PEL ^b
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IV Special Protection and Precautions	V Transportation and Regulatory Data									
<p><u>Hygienic Practices:</u> Wash hands after direct contact. Do not wear product-contaminated clothing for prolonged periods.</p> <p><u>Engineering Controls:</u> Use general ventilation to minimize exposure to vapor or mist.</p> <p><u>Personal Protective Equipment:</u> Wear safety glasses. Wear rubber or neoprene gloves if there is the potential for repeated or prolonged skin contact. In situations where exposure limits may be exceeded, a NIOSH-approved respirator is advised.</p> <p>Not recommended for use on soft vinyl, varnishes, or aluminum. If sprayed on these surfaces, rinse and wipe dry immediately.</p>	<p><u>DOT/IMDG/IATA:</u> Not restricted.</p> <p><u>TSCA Status:</u> All components of this product are on the TSCA inventory.</p> <p><u>EPA - SARA Title III/CERCLA:</u> This product is regulated under Sections 311/312. This product contains glycol ethers (<5%) which are regulated under Section 313 and Section 304/CERCLA and contains potassium hydroxide (CAS #1310-58-3, <0.05%) which is regulated under Section 304/CERCLA.</p>									
VI Spill Procedures/Waste Disposal	VII Reactivity Data									
<p><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.</p> <p><u>Waste Disposal:</u> 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><u>Flash Point:</u> >200°F (closed cup)</p> <p><u>Fire Extinguishing Agents:</u> Dry chemical, carbon dioxide (CO₂), foam, or water spray.</p>	<p>pH..... 11 - 12</p> <p>Specific gravity..... ~1.0</p> <p>Solubility in water..... complete</p>									