



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

Material Safety Data Sheet

I Product: FORMULA 409® GLASS & SURFACE CLEANER

Description: CLEAR, COLORED, FRAGRANCED LIQUID

Other Designations	Distributor	Emergency Telephone Nos.
Fresh Scent (Blue) Citrus Scent (Purple)	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>Eye contact may result in temporary conjunctival redness. 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 medical conditions are known to be aggravated by exposure to this product.</p> <p>FIRST AID:</p> <p>EYE CONTACT: Flush eyes with plenty of water for 15 minutes. If irritation persists, call a physician.</p> <p>SKIN CONTACT: Wash skin with water.</p> <p>INGESTION: Drink a glassful of water. Call a physician.</p> <p>INHALATION: Remove to fresh air. If breathing problems develop, call a physician.</p>	<table border="1"> <thead> <tr> <th>Ingredient</th> <th>Concentration</th> <th>Worker Exposure Limit</th> </tr> </thead> <tbody> <tr> <td>Isopropyl alcohol CAS # 67-63-0</td> <td>2 - 7%</td> <td>400 ppm - TLV-TWA^a 400 ppm - PEL^b 500 ppm - TLV-STEL^c</td> </tr> <tr> <td>2-Butoxyethanol CAS # 111-76-2</td> <td>1 - 5%</td> <td>25 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 ^cTLV-STEL = ACGIH Threshold Limit Value - Short Term Exposure Limit</p> <p>None of the materials in this product are on the IARC, OSHA, or NTP carcinogen lists.</p>	Ingredient	Concentration	Worker Exposure Limit	Isopropyl alcohol CAS # 67-63-0	2 - 7%	400 ppm - TLV-TWA ^a 400 ppm - PEL ^b 500 ppm - TLV-STEL ^c	2-Butoxyethanol CAS # 111-76-2	1 - 5%	25 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>Hygienic Practices: Wash hands after direct contact.</p> <p>Engineering Controls: Use local exhaust to minimize exposure to product mist.</p> <p>Personal Protective Equipment: Wear safety glasses. Wear rubber or neoprene gloves if there is the potential for repeated or prolonged skin contact.</p> <p>Note: Do not use on film-tinted windows. On painted surfaces and wall coverings, test a small inconspicuous area before use.</p>	<p>DOT: Not restricted per 49 CFR 173.120(a)(3) and Appendix H.</p> <p>IMO: Not restricted per IMDG Code Page 0016 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: Packaged product is not reportable under Sections 311/312. This product contains no chemicals which are regulated under Section 313 and contains glycol ethers (<5%), ammonium hydroxide (CAS #1336-21-6, <1%), and ammonium carbamate (CAS #1111-78-0, <1%) which are regulated under Section 304/CERCLA.</p>

VI Spill Procedures/Waste Disposal	VII Reactivity Data
<p>Spill Procedures: 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>Waste Disposal: Dispose of in accordance with all applicable federal, state, and local regulations.</p>	<p>Stable under normal use and storage conditions.</p>

VIII Fire and Explosion Data	IX Physical Data
<p>Flash Point: ~122°F (Tag closed cup)</p> <p>Fire Extinguishing Agents: Dry chemical, carbon dioxide (CO₂), foam or water spray.</p>	<p>pH ~9.5</p> <p>Specific gravity ~1.0</p> <p>Solubility in water Soluble</p>