

# MATERIAL SAFETY DATA SHEET

Product: <b>FORMULA 409® NQF (For Institutional Use)</b>		
Description: <b>CLEAR, GREEN, THIN LIQUID WITH SOLVENT ODOR</b>		
Other Designations	Distributor	Emergency Telephone Numbers
Manufacturer: <b>Clorox Company</b>	<b>Reprocessing Products Corp. (RPC)</b> Tucson, AZ & Minneapolis, MN 800-647-3873	<b>For Medical Emergencies, call:</b> <b>1-800-446-1014</b> <b>For Transportation Emergencies, call</b> <b>Chemtrec: 1-800-424-9300</b>
II Health Hazard Data	III Hazardous Ingredients	
<p><b>Mild eye irritant.</b></p> <p>Over-exposure 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 style="text-align: center;"><b>FIRST AID</b></p> <p><b>Eye Contact:</b> Flush eyes with plenty of water for 15 minutes. If irritation persists, call a physician.</p> <p><b>Skin Contact:</b> Wash skin with water.</p> <p><b>Ingestion:</b> Drink a glassful of water. Call a physician or poison control center.</p> <p><b>Inhalation:</b> Remove to fresh air. If breathing problems develop, call a physician.</p>	<p><b>Ingredient</b> 2-butoxyethanol CAS # 111-76-2</p> <p><b>Concentration</b> 1 - 5 %</p> <p><b>Worker Exposure Limit</b> 25 ppm - skin TLV-TWA * 50 ppm - skin PEL **</p> <p>Note that 2-butoxyethanol can be absorbed through the skin. This may contribute to overall exposure.</p> <p>* TLV-TWA = ACGIH Threshold Limit Value - Time Weighted Average.</p> <p>** PEL = 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>	
IV Special Protection & Precautions	V Transportation & Regulatory Data	
<p><b>Hygienic Practices:</b> Wash hands after direct contact.</p> <p><b>Engineering Controls:</b> Use general ventilation to minimize exposure to product mist.</p> <p><b>Personal Protective Equipment:</b> 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><b>DOT/IATA/IMDG:</b> Not restricted.</p> <p><b>TSCA Status:</b> All components of this product are on the TSCA inventory.</p> <p><b>EPA - SARA Title III/CERCLA:</b> This product is regulated under Sections 311/312. This product contains glycol ethers (&lt;5%) which are regulated under Section 313 and Section 304/CERCLA and contains a sodium hydroxide (CAS #1310-73-2, &lt;0.3%) which is regulated under Section 304/CERCLA.</p>	
VI Spill Procedures & Waste Disposal	VII Reactivity Data	
<p><b>Spill Procedures:</b> 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><b>Waste Disposal:</b> Dispose of in accordance with all applicable federal, state, and local regulations.</p>	<p>Stable under normal use and storage conditions.</p>	
VIII Fire & Explosion Data	IX Physical Data	
<p>Not flammable or explosive.</p>	<p>pH ..... ~12.5 Specific Gravity ..... ~1.0 Solubility in Water ..... soluble</p>	