



# The Clorox Company

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

# Material Safety Data Sheet

<b>I Product:</b> CLOROX® BLEACH PEN														
<b>Description:</b> WHITE, VISCOUS LIQUID WITH A FLORAL, CHLORINE ODOR														
<b>Other Designations</b>	<b>Distributor</b>	<b>Emergency Telephone Nos.</b>												
	Clorox Sales Company 1221 Broadway Oakland, CA 94612	For Medical Emergencies, call Rocky Mountain Poison Center: 1-800-446-1014  For Transportation Emergencies, call Chemtrec: 1-800-424-9300												
<b>II Health Hazard Data</b>		<b>III Hazardous Ingredients</b>												
<p>Eye irritant. May be irritating to skin. Some clinical reports suggest a low potential for sensitization upon exaggerated exposure to sodium hypochlorite if skin damage (e.g. irritation) occurs during exposure.</p> <p>No medical conditions are known to be aggravated by exposure to this product.</p> <p><b>FIRST AID:</b></p> <p><b>EYE CONTACT:</b> Flush eyes thoroughly with water for at least 15 minutes; then call a physician.</p> <p><b>SKIN CONTACT:</b> Wash skin with water.</p> <p><b>INGESTION:</b> Drink a glassful of water; then call a physician.</p> <p><b>INHALATION:</b> Remove to fresh air. If irritation or breathing problems persist, 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>Aluminum oxide CAS #1344-28-1</td> <td>1-5%</td> <td>10mg/m<sup>3</sup> TLV<sup>a</sup> 15 mg/m<sup>3</sup> (total dust) PEL<sup>b</sup> 5 mg/m<sup>3</sup> (respirable dust) PEL</td> </tr> <tr> <td>Sodium hypochlorite CAS # 7681-52-9</td> <td>0.5 - 2%</td> <td>Not established</td> </tr> <tr> <td>Sodium hydroxide CAS # 1310-73-2</td> <td>&lt; 1%</td> <td>2 mg/m<sup>3</sup> - TLV-Ceiling limit 2 mg/m<sup>3</sup> - PEL</td> </tr> </tbody> </table> <p><sup>a</sup>TLV= ACGIH Threshold Limit Value <sup>b</sup>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>	Ingredient	Concentration	Worker Exposure Limit	Aluminum oxide CAS #1344-28-1	1-5%	10mg/m <sup>3</sup> TLV <sup>a</sup> 15 mg/m <sup>3</sup> (total dust) PEL <sup>b</sup> 5 mg/m <sup>3</sup> (respirable dust) PEL	Sodium hypochlorite CAS # 7681-52-9	0.5 - 2%	Not established	Sodium hydroxide CAS # 1310-73-2	< 1%	2 mg/m <sup>3</sup> - TLV-Ceiling limit 2 mg/m <sup>3</sup> - PEL
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<b>IV Special Protection and Precautions</b>		<b>V Transportation and Regulatory Data</b>												
<p><b>Hygienic Practices:</b> Wash hands after direct contact. Do not wear product-contaminated clothing for prolonged periods.</p> <p><b>Engineering Controls:</b> None specified.</p> <p><b>Personal Protective Equipment:</b> Wear safety glasses. Wear gloves if handling product for prolonged or repeated periods. KEEP OUT OF REACH OF CHILDREN</p>		<p><b>DOT/IATA/IMDG:</b> Not restricted.</p> <p><b>EPA - SARA Title III/CERCLA:</b> This product is regulated under Sections 311/312. This product contains no chemicals regulated under Section 313 and contains sodium hypochlorite (&lt; 2%) and sodium hydroxide (&lt; 1%) which are regulated under Section 304/CERCLA.</p>												
<b>VI Spill Procedures/Waste Disposal</b>		<b>VII Reactivity Data</b>												
<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> <p>Reacts with other household chemicals such as acid toilet bowl cleaners, rust removers, acids, and ammonia-containing products to produce hazardous gases, such as chlorine and other chlorinated compounds.</p>												
<b>VIII Fire and Explosion Data</b>		<b>IX Physical Data</b>												
Not flammable or explosive.		<p>pH..... 12.3 - 12.9</p> <p>Specific gravity ..... 1.04 ± 0.04</p> <p>Viscosity ..... 9000 - 15,000 cps</p>												

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