



The Clorox Company
1221 Broadway
Oakland, CA 94612

Material Safety Data Sheet

I Product: CLOROX® BLEACH PEN														
Description: WHITE, VISCOUS LIQUID WITH A FLORAL, CHLORINE ODOR														
Other Designations	Distributor	Emergency Telephone Nos.												
	K-Chem, Inc. P.O. Box 530632 Birmingham, AL 35253	For Medical Emergencies, call Rocky Mountain Poison Center: 1-800-446-1014 For Transportation Emergencies, call Chemtrec: 1-800-424-9300												
II Health Hazard Data		III Hazardous Ingredients												
<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>FIRST AID:</p> <p>EYE CONTACT: Flush eyes thoroughly with water for at least 15 minutes; then call a physician.</p> <p>SKIN CONTACT: Wash skin with water.</p> <p>INGESTION: Drink a glassful of water; then call a physician.</p> <p>INHALATION: 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/m³ TLV^a 15 mg/m³ (total dust) PEL^b 5 mg/m³ (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>< 1%</td> <td>2 mg/m³ - TLV-Ceiling limit 2 mg/m³ - PEL</td> </tr> </tbody> </table> <p>^aTLV= ACGIH Threshold Limit Value ^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	Aluminum oxide CAS #1344-28-1	1-5%	10mg/m ³ TLV ^a 15 mg/m ³ (total dust) PEL ^b 5 mg/m ³ (respirable dust) PEL	Sodium hypochlorite CAS # 7681-52-9	0.5 - 2%	Not established	Sodium hydroxide CAS # 1310-73-2	< 1%	2 mg/m ³ - TLV-Ceiling limit 2 mg/m ³ - PEL
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IV Special Protection and Precautions		V Transportation and Regulatory Data												
<p>Hygienic Practices: Wash hands after direct contact. Do not wear product-contaminated clothing for prolonged periods.</p> <p>Engineering Controls: None specified.</p> <p>Personal Protective Equipment: Wear safety glasses. Wear gloves if handling product for prolonged or repeated periods. KEEP OUT OF REACH OF CHILDREN</p>		<p>DOT/IATA/IMDG: Not restricted.</p> <p>EPA - SARA Title III/CERCLA: This product is regulated under Sections 311/312. This product contains no chemicals regulated under Section 313 and contains sodium hypochlorite (< 2%) and sodium hydroxide (< 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> <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>												
VIII Fire and Explosion Data		IX Physical Data												
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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DATA SUPPLIED IS FOR USE ONLY IN CONNECTION WITH OCCUPATIONAL SAFETY AND HEALTH DATE PREPARED 2/21/03