

**The Clorox Company**

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

**Material Safety
Data Sheet**

I Product: CLOROX® BLEACH PEN														
Description: WHITE, VISCOUS LIQUID WITH A FLORAL, CHLORINE ODOR														
Other Designations	Distributor	Emergency Telephone Nos.												
	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												
II Health Hazard Data		III Hazardous Ingredients												
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. No medical conditions are known to be aggravated by exposure to this product. FIRST AID: EYE CONTACT: Flush eyes thoroughly with water for at least 15 minutes; then call a physician. SKIN CONTACT: Wash skin with water. INGESTION: Drink a glassful of water; then call a physician. INHALATION: Remove to fresh air. If irritation or breathing problems persist, call a physician.		<table><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> ^aTLV= ACGIH Threshold Limit Value ^bPEL = OSHA Permissible Exposure Limit - Time Weighted Average None of the materials in this product are on the IARC, OSHA, or NTP carcinogen lists.	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												
Hygienic Practices: Wash hands after direct contact. Do not wear product-contaminated clothing for prolonged periods. Engineering Controls: None specified. Personal Protective Equipment: Wear safety glasses. Wear gloves if handling product for prolonged or repeated periods. KEEP OUT OF REACH OF CHILDREN		DOT/IATA/IMDG: Not restricted. 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.												
VI Spill Procedures/Waste Disposal		VII Reactivity Data												
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. Waste Disposal: Dispose of in accordance with all applicable federal, state, and local regulations.		Stable under normal use and storage conditions. 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.												
VIII Fire and Explosion Data		IX Physical Data												
Not flammable or explosive.		pH..... 12.3 - 12.9 Specific gravity 1.04 ± 0.04 Viscosity 9000 - 15,000 cps												

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DATA SUPPLIED IS FOR USE ONLY IN CONNECTION WITH OCCUPATIONAL SAFETY AND HEALTH DATE PREPARED 2/21/03