

**The Clorox Company**1221 Broadway
Oakland, CA 94612
Tel. 1-510-271-7000**Material Safety
Data Sheet**

I Product: CLOROX® HIGH EFFICIENCY BLEACH										
Description: CLEAR, LIME-YELLOW, SLIGHTLY VISCOUS LIQUID										
Other Designations	Distributor									
	Clorox Sales Company 1221 Broadway Oakland, CA 94612									
Emergency Telephone Nos.										
For Medical Emergencies, call 1-800-446-1014. For Transportation Emergencies, call 1-800-424-9300 (Chemtrec).										
II Health Hazard Data	III Hazardous Ingredients									
<p>Eye irritant. May cause skin irritation. Exposure to vapor or mist may irritate eyes, nose, throat, lungs. Harmful if swallowed. May cause nausea and vomiting if swallowed. 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>The following medical conditions may be aggravated by exposure to high concentrations of vapor or mist: heart conditions or chronic respiratory problems such as asthma, emphysema, chronic bronchitis, or obstructive lung disease.</p> <p>Under normal consumer use conditions, the likelihood of any adverse health effects is low.</p> <p>FIRST AID:</p> <p>EYE CONTACT: Remove contact lenses, and rinse eyes with plenty of water for 15 minutes. If irritation persists, call a doctor.</p> <p>SKIN CONTACT: Immediately remove contaminated clothing, and wash skin thoroughly with water. If irritation persists, call a doctor.</p> <p>INGESTION: DO NOT induce vomiting. Drink a glassful of water. Call a doctor or poison control center immediately.</p> <p>INHALATION: Remove to fresh air. If breathing problems develop, call a doctor.</p>	<table border="1"> <thead> <tr> <th>Ingredient</th> <th>Concentration</th> <th>Worker Exposure Limit</th> </tr> </thead> <tbody> <tr> <td>Sodium hypochlorite CAS # 7681-52-9</td> <td>1 - 5%</td> <td>Not established.</td> </tr> <tr> <td>Sodium hydroxide CAS # 1310-73-2</td> <td>0.1 - 1%</td> <td>2 mg/m³ - TLV-C^a 2 mg/m³ - PEL^b</td> </tr> </tbody> </table> <p>^aTLV-C = ACGIH Threshold Limit Value-Ceiling limit. ^bPEL = OSHA Permissible Exposure Limit - Time Weighted Average</p> <p>None of the materials in this product are on the IARC carcinogen list.</p>	Ingredient	Concentration	Worker Exposure Limit	Sodium hypochlorite CAS # 7681-52-9	1 - 5%	Not established.	Sodium hydroxide CAS # 1310-73-2	0.1 - 1%	2 mg/m ³ - TLV-C ^a 2 mg/m ³ - PEL ^b
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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: Use local exhaust to minimize exposure to product vapor or 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. In situations where exposure limits may be exceeded, a NIOSH-approved respirator is advised.</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 that are regulated under Section 313 and contains sodium hypochlorite and sodium hydroxide that are regulated under Section 304/CERCLA.</p> <p>TSCA 8(b): All components of this product are either on the TSCA 8(b) Inventory or otherwise exempt from listing.</p> <p>TSCA 12(b): This product is not subject to TSCA 12(b) reporting requirements.</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. For spills of multiple products, responders should evaluate the MSDSs of the products for incompatibility with sodium hypochlorite. Breathing protection should be worn in enclosed and/or poorly-ventilated areas until hazard assessment is complete.</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> <p>Prolonged contact with metal or old porcelain may cause pitting or discoloration.</p>									
VIII Fire and Explosion Data	IX Physical Data									
Not flammable or explosive.	<p>pH.....~12.2</p> <p>Specific gravity (21°C).....~1.05</p> <p>Solubility in water.....Soluble</p>									