



Clorox Professional Products Company
 A Subsidiary of The Clorox Company
 1221 Broadway
 Oakland, California 94612
 Tel. (510) 271-7000

Material Safety Data Sheet

I Product: CLOROX® GERMICIDAL BLEACH							
Description: CLEAR, LIGHT YELLOW LIQUID WITH CHLORINE ODOR							
Other Designations	Distributor Clorox Professional Products Company 1221 Broadway Oakland, CA 94612						
Emergency Telephone No. For Medical Emergencies Call: Rocky Mountain Poison Center (800) 446-1014 For Transportation Emergencies Chemtrec (800) 424-9300							
II Health Hazard Data	III Hazardous Ingredients						
<p>WARNING: Eye irritant. Avoid eye contact. Causes substantial but temporary eye injury. May irritate skin. May cause nausea and vomiting if ingested. Exposure to vapor or mist may irritate nose, throat and lungs. 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, chronic bronchitis or obstructive lung disease. Under normal consumer use conditions the likelihood of any adverse health effects are low. Occasional clinical reports suggest a low potential for sensitization upon exaggerated exposure to sodium hypochlorite if skin damage (e.g. irritation) occurs during exposure. Routine clinical tests conducted on intact skin with Clorox Liquid Bleach found no sensitization in the test subjects.</p> <p>FIRST AID: <u>EYE CONTACT:</u> Immediately flush eyes with plenty of water. If irritation persists, see a doctor. <u>SKIN CONTACT:</u> Remove contaminated clothing. Wash area with water. <u>INGESTION:</u> Drink a glassful of water and call a physician. <u>INHALATION:</u> If breathing problems develop remove to fresh air.</p> <p>HMIS/NFPA: H=2, F=0, R=1 <u>HMIS Hazard Scale:</u> 1=slight 2=moderate 3=serious 4=severe</p>	<table border="1"> <thead> <tr> <th>Ingredients</th> <th>Concentration</th> <th>Worker Exposure Limit</th> </tr> </thead> <tbody> <tr> <td>Sodium hypochlorite CAS # 7681-52-9</td> <td>5.25%</td> <td>not established</td> </tr> </tbody> </table> <p>None of the ingredients in this product is on the IARC, NTP or OSHA carcinogen lists.</p>	Ingredients	Concentration	Worker Exposure Limit	Sodium hypochlorite CAS # 7681-52-9	5.25%	not established
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Sodium hypochlorite CAS # 7681-52-9	5.25%	not established					
IV Special Protection and Precautions	V Transportation and Regulatory Data						
<p><u>Hygienic Practices:</u> Non-dilute: Wear eye protection such as safety glasses in situations where splashing may occur. Discontinue use or wear gloves if product use irritates your skin. Dispensing System: Eye protection is not required when used with a Clorox approved closed dispensing system. Diluted to 200 ppm Available Chlorine: Eye protection is not required. Discontinue use or wear gloves if solution irritates your skin. <u>Engineering Controls:</u> Use general ventilation to minimize exposure to vapor or mist.</p> <p><u>Work Practices:</u> Avoid eye and skin contact and inhalation of vapor or mist. KEEP OUT OF THE REACH OF CHILDREN.</p>	<p><u>U.S. DOT Hazard Class:</u> Not restricted <u>U.S. DOT Proper Shipping Name:</u> Hypochlorite solution with not more than 7% available chlorine. Not Restricted per 49CFR172.101(c)(12)(iv). <u>EPA - SARA Title III/CERCLA:</u> Bottled product is not reportable under Sections 311/312; contains no chemicals regulated under Section 313; and contains a chemical (sodium hypochlorite ≤ 5.25%) which is regulated under Section 304/CERCLA. <u>TSCA/DSL:</u> All chemicals in this product are listed on the TSCA Inventory and the Canadian Domestic Substances List.</p>						
VI Spill or Leak Procedures	VII Reactivity Data						
<p><u>Spill Procedures:</u> 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 MSDS's 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. <u>Waste Disposal:</u> Dispose of in accordance with all applicable federal, state and local regulations.</p>	<p>Stable under normal use and storage conditions. Strong oxidizing agent. Reacts with other household chemicals such as toilet bowl cleaners, rust removers, vinegar, acids or ammonia containing products to produce hazardous gases, such as chlorine and other chlorinated species. Prolonged contact with metal may cause pitting or discoloration.</p>						
VIII Fire and Explosion Data	IX Physical Data						
<p>Not flammable or explosive. In a fire, cool containers to prevent rupture and release of sodium chlorate.</p>	<p>Boiling point 212°F/100°C (decomposes) Specific Gravity (H₂O=1) 1.085 Solubility in Water complete pH 11.4</p>						