



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

Material Safety Data Sheet

I Product: CLOROX® OUTDOOR BLEACH CLEANER	
Description: CLEAR, LIGHT YELLOW, SLIGHTLY VISCOUS LIQUID WITH A BLEACH ODOR	
	Distributor
	The 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>DANGER: CORROSIVE. HARMFUL IF SWALLOWED. May cause severe irritation or damage to eyes, skin and mucous membranes. Vapors may irritate.</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>FIRST AID:</p> <p>EYE CONTACT: Immediately rinse with water for 15 minutes. Call a doctor.</p> <p>SKIN CONTACT: Removed 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>	<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>5 - 15 %</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, OSHA, or NTP carcinogen lists.</p>	Ingredient	Concentration	Worker Exposure Limit	Sodium hypochlorite CAS# 7681-52-9	5 - 15 %	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: Avoid contact with eyes, skin and clothing. Wash hands after direct contact. Do not wear product-contaminated clothing for prolonged periods.</p> <p>Engineering Controls: Use general ventilation to minimize exposure to vapor or mist.</p> <p>Personal Protective Equipment: Wear eye protection, such as safety goggles. To protect skin, wear rubber gloves, boots, long pants, a hat and a long-sleeved shirt. In situations where exposure limits may be exceeded, a NIOSH-approved respirator is advised.</p>	<p>DOT: Consumer Commodity ORM-D.</p> <p>IATA: UN 1791, Hypochlorite solution, Class 8, PG III.</p> <p>IMDG: UN 1791, Hypochlorite solution, Class 8, PG III.</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 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.</p> <p>In a fire, cool containers to prevent rupture and release of sodium chlorate.</p>	<p>pH12.5 -13</p> <p>Specific gravity ~ 1.1</p> <p>Solubility in water..... Complete</p>