



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

# Material Safety Data Sheet

<b>I Product:</b>	CLOROX COMMERCIAL SOLUTIONS® CLOROX® GERMICIDAL SPRAY	
<b>Description:</b>	CLEAR, FAINT YELLOW LIQUID WITH CHARACTERISTIC BLEACH ODOR	
<b>Other Designations</b>	<b>Distributor</b>	<b>Emergency Telephone Nos.</b>
EPA Reg. No. 67619-13	Clorox Professional Products Company 1221 Broadway Oakland, CA 94612	For Medical Emergencies call: (800) 446-1041 For Transportation Emergencies Chemtrec (800) 424-9300

<p><b>II Health Hazard Data</b></p> <p>Cause substantial but temporary eye injury and can irritate skin. Vapors may irritate. Due to irritating nature, product may be harmful if swallowed. May cause nausea and vomiting if swallowed. Occasional clinical reports suggest a low potential for skin sensitization upon exaggerated exposure to sodium hypochlorite if skin damage (e.g., irritation) occurs during exposure. Routine clinical tests conducted on intact skin with this product found no sensitization in the test subjects. 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. Under normal use conditions, the likelihood of any adverse health effects is low.</p> <p><b>FIRST AID:</b></p> <p><b>EYE CONTACT:</b> Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing. Call a poison control center or doctor for treatment advice.</p> <p><b>SKIN CONTACT:</b> Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes.</p> <p><b>IF INHALED:</b> Move person to fresh air. If person is not breathing, call 911 or an ambulance then give artificial respiration, preferably mouth-to-mouth if possible.</p> <p><b>IF SWALLOWED:</b> Call a poison control center or doctor immediately for treatment advice. Have person sip a glassful of water if able to swallow. Do not induce vomiting unless told to do so by a poison control center or doctor. Do not give anything by mouth to an unconscious person.</p>	<p><b>III Hazardous Ingredients</b></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/m<sup>3</sup> ACGIH TLV-STEL<sup>a</sup> 2 mg/m<sup>3</sup> OSHA PEL<sup>b</sup></td> </tr> </tbody> </table> <p><sup>a</sup>TLV-STEL = ACGIH Threshold Limit Value-Short Term Exposure Limit  <sup>b</sup>PEL = OSHA Permissible Exposure Limit-Time weighted average</p> <p>None of the ingredients in this product are on the IARC, OSHA or NTP carcinogen lists.</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 <sup>3</sup> ACGIH TLV-STEL <sup>a</sup> 2 mg/m <sup>3</sup> OSHA PEL <sup>b</sup>
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 <sup>3</sup> ACGIH TLV-STEL <sup>a</sup> 2 mg/m <sup>3</sup> OSHA PEL <sup>b</sup>								

<p><b>IV Special Protection and Precautions</b></p> <p><b>Hygienic Practices:</b> Do not get in eyes, skin or on clothing. Avoid prolonged or repeated skin contact. Avoid prolonged breathing of vapor. Use only in well-ventilated areas.</p> <p><b>Personal Protection:</b> Wear safety glasses. For sensitive skin or repeated/prolonged use, wear gloves.</p> <p><b>Ventilation:</b> Use general ventilation to minimize exposure to gases or aerosols associated with this product.</p>	<p><b>V Transportation and Regulatory Data</b></p> <p><b>DOT/IATA/IMDG:</b> Not restricted.</p> <p><b>U.S. DOT Proper Shipping Name:</b> None.</p> <p><b>EPA SARA Title III/CERCLA:</b> Product is regulated under Sections 311/312. This product contains no chemicals regulated under Section 313 and contains sodium hydroxide and sodium hypochlorite which are regulated under Section 304/CERCLA.</p>
---	---

<p><b>VI Spill Procedures/Waste Disposal</b></p> <p><b>Spill Procedures:</b> Absorb and containerize. Wash down residual to sanitary sewer. Contact the sanitary treatment facility in advance to assure ability to process washed-down material.</p> <p><b>Waste Disposal:</b> Dispose of in accordance with all applicable federal, state, and local regulations.</p>	<p><b>VII Reactivity Data</b></p> <p><b>Stability:</b> Stable. Strong oxidizing agent.</p> <p><b>Reactivity:</b> Strong Oxidizer. Reacts with other chemicals such as toilet bowl cleaners, rust removers, acids or ammonia-containing products to produce hazardous gases, such as chlorine and other chlorinated compounds. Prolonged contact with metal or old porcelain may cause pitting or discoloration.</p> <p><b>Storage/Disposal:</b> Store in cool, dry area away from direct sunlight and heat</p>
---	--

<p><b>VIII Fire and Explosion Data</b></p> <p><b>Flashpoint:</b> Greater than 200°F</p> <p><b>Fire Extinguishing Agents:</b> Water spray, dry chemical or carbon dioxide (CO<sub>2</sub>)</p> <p><b>Special Fire-Fighting Procedures:</b> None</p> <p><b>Unusual Fire and Explosion Hazards:</b> None</p>	<p><b>IX Physical Data</b></p> <p>pH: ..... 12.4 - 12.8</p> <p>Solubility in water:..... Completely soluble</p> <p>Specific gravity (water = 1): ..... 1.04 at 75°F</p>
---	---