



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

# Material Safety Data Sheet

<b>I Product:</b> COMMERCIAL SOLUTIONS™ ULTRA CLOROX® GERMICIDAL BLEACH I		
<b>Description:</b> CLEAR, LIGHT YELLOW LIQUID WITH CHLORINE ODOR		
<b>Other Designations</b>	<b>Distributor</b>	<b>Emergency Telephone Nos.</b>
EPA Reg No. 67619-8 Sodium Hypochlorite Solution	Clorox Sales Company 1221 Broadway Oakland, CA 94612	For Medical Emergencies call: (800) 446-1014 For Transportation Emergencies Chemtrec (800) 424-9300

II Health Hazard Data	III Hazardous Ingredients									
<p><b>DANGER: CORROSIVE.</b> May cause severe irritation or damage to eyes and skin. Harmful if Swallowed. Medical conditions such as heart disease or chronic respiratory problems such as asthma, chronic bronchitis or obstructive lung disease may be aggravated by exposure to high concentrations of vapor or mist. Some clinical reports suggest a low potential for sensitization upon exaggerated exposure to sodium hypochlorite, particularly on damaged or irritated skin. Routine clinical tests conducted on intact skin with Clorox Liquid Bleach found no sensitization in the test subjects. Under normal consumer use conditions the likelihood of any adverse health effects are low.</p>	<table><tr><th><u>Ingredient</u></th><th><u>Concentration</u></th><th><u>Worker Exposure Limit</u></th></tr><tr><td>Sodium hypochlorite CAS # 7681-52-9</td><td>6.0-7.35%</td><td>not established</td></tr><tr><td>Sodium hydroxide CAS # 1310-73-2</td><td>&lt;0.2%</td><td>2.0 mg/m3 TLV-C <sup>a</sup></td></tr></table>	<u>Ingredient</u>	<u>Concentration</u>	<u>Worker Exposure Limit</u>	Sodium hypochlorite CAS # 7681-52-9	6.0-7.35%	not established	Sodium hydroxide CAS # 1310-73-2	<0.2%	2.0 mg/m3 TLV-C <sup>a</sup>
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<p><u>FIRST AID:</u></p>	<p><sup>a</sup>TLV-C = ACGIH Threshold Limit Value- Ceiling Limit</p>									
<p><u>EYE CONTACT:</u> Rinse with plenty of water for at least 15 minutes. Get prompt medical attention.</p>	<p>None of the ingredients in this product are on the IARC, NTP or OSHA carcinogen list.</p>									
<p><u>SKIN CONTACT:</u> Remove contaminated clothing. Wash skin thoroughly with soap and water.</p>										
<p><u>INGESTION:</u> Drink large amounts of water. DO NOT induce vomiting. Call a physician or poison control center immediately.</p>										
<p><u>INHALATION:</u> If breathing problems develop remove to fresh air.</p>										

<b>IV Special Protection and Precautions</b>	<b>V Transportation and Regulatory Data</b>
<b>Hygienic Practices:</b> Wear safety glasses. With repeated or prolonged use, wear nitrile, neoprene, or butyl rubber gloves. Wash after contact with product. Avoid breathing vapors.	<b>U.S. DOT Hazard Class:</b> Not restricted per 49CFR172.101(c)(12)(iv). <b>IMDG:</b> Not restricted per IMDG Code Page 0021 Paragraph 5.3.5. <b>IATA:</b> Not restricted per IATA D.G.R. Special provision A3.
<b>Engineering Controls:</b> Use general ventilation to minimize exposure to vapor or mist.	<b>EPA - SARA Title III/CERCLA:</b> This product is regulated under Sections 311/312. This product contains no chemicals regulated under Section 313 and contains chemicals (sodium hypochlorite and sodium hydroxide) which are regulated under Section 304/CERCLA.
<b>Work Practices:</b> Avoid eye and skin contact and inhalation of vapor or mist.	<b>TSCA Status:</b> All component of this product are on the TSCA Inventory.
<b>KEEP OUT OF REACH OF CHILDREN.</b>	

<b>VI Spill Procedures/Waste Disposal</b>	<b>VII Reactivity Data</b>
<b>Spill Procedures:</b> Control spill. Containerize liquid and use absorbents on residual liquid; dispose appropriately. Wash area and let dry. 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.	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.
<b>Waste Disposal:</b> Dispose of in accordance with all applicable federal, state, and local regulations.	

<b>VIII Fire and Explosion Data</b>	<b>IX Physical Data</b>
Not flammable or explosive. In a fire, cool containers to prevent rupture and release of sodium chlorate.	Boiling point.....212°F/100°C (decomposes) Specific Gravity (H2O=1).....1.085 Solubility in Water.....complete pH.....11.4