



**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

<b>II Health Hazard Data</b>	<b>III Hazardous Ingredients</b>	
<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.	<b>Ingredient</b>	<b>Concentration</b>
<b>FIRST AID:</b>	Sodium hypochlorite CAS # 7681-52-9	6.0-7.35%
<b>EYE CONTACT:</b> Rinse with plenty of water for at least 15 minutes. Get prompt medical attention.	Sodium hydroxide CAS # 1310-73-2	<0.2%
<b>SKIN CONTACT:</b> Remove contaminated clothing. Wash skin thoroughly with soap and water.	*TLV-C = ACGIH Threshold Limit Value- Ceiling Limit	
<b>INGESTION:</b> Drink large amounts of water. DO NOT induce vomiting. Call a physician or poison control center immediately.	None of the ingredients in this product are on the IARC, NTP or OSHA carcinogen list.	
<b>INHALATION:</b> If breathing problems develop remove to fresh air.		
	<b>Worker Exposure Limit</b>	not established
		2.0 mg/m3 TLV-C <sup>a</sup>

<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