

**Clorox Professional Products Company**1212 Broadway  
Oakland, CA 94612  
Tel. 510- 271-7000**Material Safety  
Data Sheet****I Product:** CLOROX COMMERCIAL SOLUTIONS® ULTRA CLOROX® GERMICIDAL BLEACH**Description:** CLEAR, LIGHT YELLOW LIQUID WITH A CHARACTERISTIC BLEACH ODOR

Other Designations	Distributor	Emergency Telephone Nos.
EPA Reg. No. 67619-8	The Clorox Sales Company 1221 Broadway Oakland, CA 94612	For Medical Emergencies, call 1-800-446-1014.  For Transportation Emergencies, call 1-800-424-9300 (Chemtrec).

**II Health Hazard Data****DANGER: CORROSIVE.** May cause severe irritation or damage to eyes and skin. Vapor or mist may irritate. Harmful if swallowed. Keep out of reach of children.

Some clinical reports suggest a low potential for sensitization upon exaggerated exposure to sodium hypochlorite if skin damage (e.g., irritation) occurs during exposure. Under normal use conditions the likelihood of any adverse health effects is low.

Medical conditions that 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.

**FIRST AID:****EYE CONTACT:** Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, and then continue rinsing eye. Call a doctor immediately.**SKIN CONTACT:** Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. If irritation develops, call a doctor.**INGESTION:** 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.**INHALATION:** Remove to fresh air. If breathing is affected, call a doctor.**III Hazardous Ingredients**

Ingredient	Concentration	Worker Exposure Limit
Sodium hypochlorite CAS # 7681-52-9	5 - 10%	Not established.
Sodium hydroxide CAS #1310-73-2	0.1 - 1%	2 mg/m <sup>3</sup> - TLV-C <sup>a</sup> 2 mg/m <sup>3</sup> - PEL <sup>b</sup>

<sup>a</sup>TLV-C = ACGIH Threshold Limit Value -Ceiling.<sup>b</sup>PEL = OSHA Permissible Exposure Limit - Time Weighted Average

None of the ingredients in this product are on the IARC, NTP, or OSHA carcinogen lists.

**IV Special Protection and Precautions**

No special protection or precautions have been identified for using this product under directed use conditions. The following recommendations are given for production facilities and for other conditions and situations where there is increased potential for accidental, large-scale, or prolonged exposure.

**Hygienic Practices:** Avoid contact with eyes, skin, and clothing. Wash hands after direct contact. Do not wear product-contaminated clothing for prolonged periods.**Engineering Controls:** Use general ventilation to minimize exposure to vapor or mist.**Personal Protective Equipment:** Wear safety glasses. Wear rubber or neoprene gloves if there is the potential for repeated or prolonged skin contact. In situations where exposure limits may be exceeded, a NIOSH-approved respirator is advised.**V Transportation and Regulatory Data****DOT:** Not restricted.**IMDG:** Environmentally hazardous substance, liquid, n.o.s., UN3082, Class 9, PGIII.**IATA:** Environmentally hazardous substance, liquid, n.o.s., UN3082, Class 9, PGIII.**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.**TSCA 8(b):** All components of this product are either on the TSCA 8(b) Inventory or otherwise exempt from listing.**TSCA 12(b):** This product is not subject to TSCA 12(b) reporting requirements.**VI Spill Procedures/Waste Disposal****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.**Waste Disposal:** Dispose of in accordance with all applicable federal, state, and local regulations.**VII Reactivity Data**

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.

**VIII Fire and Explosion Data**

Not flammable or explosive.

**IX Physical Data**

pH.....	11 - 12
Specific gravity.....	~1.1
Solubility in water.....	Soluble