

**Clorox Professional Products Company**1221 Broadway  
Oakland, CA 94612  
Tel. (510) 271-7000**Material Safety  
Data Sheet****I Product:** COMMERCIAL SOLUTIONS®ULTRA CLOROX®GERMICIDAL BLEACH I**Description:** CLEAR, LIGHT YELLOW LIQUID WITH CHLORINE ODOR**Other Designations**EPA Reg. No. 67619-8  
Sodium Hypochlorite Solution**Distributor**Clorox Sales Company  
1221 Broadway  
Oakland, CA 94612**Emergency Telephone Nos.**

For Medical Emergencies, call 1-800-446-1014

For Transportation Emergencies, call  
Chemtrec 1-800-424-9300**II Health Hazard Data**

**DANGER: CORROSIVE.** May cause severe irritation or damage to eyes and skin. Harmful if Swallowed. 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, chronic bronchitis, or obstructive lung disease. 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.

**FIRST AID:****EYE CONTACT:** Rinse with plenty of water for at least 15 minutes. Get prompt medical attention.**SKIN CONTACT:** Wash skin thoroughly with soap and water.**INGESTION:** Drink large amounts of water. DO NOT induce vomiting. Call a physician or poison control center immediately.**INHALATION:** If breathing problems develop, remove to fresh air.**III Hazardous Ingredients**

Ingredient	Concentration	Worker Exposure Limit
Sodium hypochlorite CAS #7681-52-9	6.0 - 7.35%	Not established.
Sodium hydroxide CAS #1310-73-2	< 0.2%	2 mg/m <sup>3</sup> TLV-STEL <sup>a</sup> 2 mg/m <sup>3</sup> PEL <sup>b</sup>

<sup>a</sup>TLV-STEL = ACGIH Threshold Limit Value - Short Term Exposure Limit  
<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 list.

**IV Special Protection and Precautions****Hygienic Practices:** Wear safety glasses. With repeated or prolonged use, wear nitrile, neoprene, or butyl rubber gloves. Wash after contact with product. Avoid breathing vapors.**Engineering Controls:** Use general ventilation to minimize exposure to vapor or mist.**Work Practices:** Avoid eye and skin contact and inhalation of vapor or mist.**KEEP OUT OF THE REACH OF CHILDREN.****V Transportation and Regulatory Data****DOT:** Not restricted per 49CFR172.101(c)(12)(iv).**IMDG:** Not restricted per IMDG Code Page 0021 Paragraph 5.3.5.**IATA:** Not restricted per IATA D.G.R. Special provision A3.**EPA - SARA Title III/CERCLA:**

This product is regulated under Sections 311/312. This product contains no chemicals regulated under Section 313 and contains sodium hypochlorite and sodium hydroxide which are regulated under Section 304/CERCLA.

**TSCA Status:** All components of this product are on the TSCA Inventory.**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 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.**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.

In a fire, cool containers to prevent rupture and release of sodium chlorate.

**IX Physical Data**Boiling point ..... 212 °F 100 °C (decomposes)  
Specific gravity (H<sub>2</sub>O=1, 21 °C) ..... ~1.10  
Solubility in water ..... Complete  
pH ..... ~11.4