



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

Material Safety Data Sheet

12173

I Product: CLOROX COMMERCIAL SOLUTIONS® ULTRA CLOROX® GERMICIDAL BLEACH	
Description: CLEAR, FAINT YELLOW LIQUID WITH BLEACH ODOR	
Other Designations	Distributor
Commercial Solutions Ultra Clorox Germicidal Bleach 1 Sodium Hypochlorite Solution EPA Reg. No. 67619-8	Clorox Sales Company 1221 Broadway Oakland, CA 94612
Emergency Telephone Nos.	
For Medical Emergencies, call (800) 446-1014 For Transportation Emergencies, call Chemtrec (800) 424-9300	

II Health Hazard Data	III Hazardous Ingredients									
<p>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.</p> <p>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 consumer use conditions the likelihood of any adverse health effects are low.</p> <p>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.</p> <p>FIRST AID: <u>Eye Contact:</u> Hold eye open and rinse with water for 15-20 minutes. Remove contact lenses, after first 5 minutes. Continue rinsing eye. Call a physician. <u>Skin Contact:</u> Wash skin with water for 15-20 minutes. If irritation develops, call a physician. <u>Ingestion:</u> Do not induce vomiting. Drink a glassful of water. If irritation develops, call a physician. Do not give anything by mouth to an unconscious person. <u>Inhalation:</u> Remove to fresh air. If breathing is affected, call a physician.</p>	<table border="1"> <thead> <tr> <th>Ingredient</th> <th>Concentration</th> <th>Exposure Limit</th> </tr> </thead> <tbody> <tr> <td>Sodium hypochlorite CAS# 7681-52-9</td> <td>6.15%</td> <td>Not established</td> </tr> <tr> <td>Sodium hydroxide CAS# 1310-73-2</td> <td><1%</td> <td>2 mg/m^{3:1} 2 mg/m^{3:2}</td> </tr> </tbody> </table> <p>¹ACGIH Threshold Limit Value (TLV) - Ceiling ²OSHA Permissible Exposure Limit (PEL) - Time Weighted Average (TWA)</p> <p>None of the ingredients in this product are on the IARC, NTP or OSHA carcinogen lists.</p>	Ingredient	Concentration	Exposure Limit	Sodium hypochlorite CAS# 7681-52-9	6.15%	Not established	Sodium hydroxide CAS# 1310-73-2	<1%	2 mg/m ^{3:1} 2 mg/m ^{3:2}
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IV Special Protection and Precautions	V Transportation and Regulatory Data
<p>No special protection or precautions have been identified for using this product under directed consumer 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.</p> <p><u>Hygienic Practices:</u> Avoid contact with eyes, skin and clothing. Wash hands after direct contact. Do not wear product-contaminated clothing for prolonged periods.</p> <p><u>Engineering Controls:</u> Use general ventilation to minimize exposure to vapor or mist.</p> <p><u>Personal Protective Equipment:</u> Wear safety glasses. Use rubber or nitrile gloves if in contact liquid, especially for prolonged periods.</p>	<p><u>US DOT:</u> Not restricted.</p> <p><u>IMDG:</u> Not restricted.</p> <p><u>IATA:</u> Not restricted.</p> <p><u>EPA- SARA Title III/CERCLA:</u> Product is regulated under Sections 311/312. This product contains no chemicals regulated under Section 313. Contains sodium hypochlorite and sodium hydroxide, which are regulated under 304/CERCLA.</p> <p><u>TSCA/DSL:</u> All chemicals in this product are listed on the TSCA Inventory. The DSL status for some components has not been determined.</p>

VI Spill Procedures/Waste Disposal	VII Reactivity Data
<p><u>Spill Procedures:</u> Absorb and containerize. Wash residual down to sanitary sewer. Contact the sanitary treatment facility in advance to assure ability to process washed down material.</p> <p><u>Waste Disposal:</u> Disposal must be made in accordance with applicable federal, state and local regulations.</p>	<p><u>Stability:</u> Stable under normal use and storage conditions.</p> <p><u>Reactivity:</u> Reacts with chemicals such as acid toilet bowl cleaners, rust removers, acids, vinegars and ammonia-containing products to produce hazardous gases, such as chlorine and other chlorinated compounds.</p> <p><u>Storage/Disposal:</u> Do not use or store near heat or open flame.</p>

VIII Fire and Explosion Data	IX Physical Data
<p><u>Fire Extinguishing Agents:</u> Water spray, dry chemical, carbon dioxide (CO₂)</p> <p><u>Flashpoint:</u> >200°F (closed cup).</p> <p><u>Unusual Fire and Explosion Hazards:</u> None.</p>	<p><u>Boiling point:</u>.....212°F 100°C (decomposes)</p> <p><u>Specific Gravity:</u>.....~1.1</p> <p><u>pH:</u>.....11.0-12.0</p> <p><u>Solubility (Water):</u>..... Complete</p>