



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

# Material Safety Data Sheet

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| <b>I Product:</b> ULTRA CLOROX REGULAR BLEACH                       |  |  |
| <b>Description:</b> CLEAR, LIGHT YELLOW LIQUID WITH A CHLORINE ODOR |  |  |
| <b>Other Designations</b>   | <b>Distributor</b>   | <b>Emergency Telephone Nos.</b>  |
| Laundry Bleach  | Clorox Sales Company<br>1221 Broadway<br>Oakland, CA 94612 | For Medical Emergencies call:<br>(800) 446-1014<br>For Transportation Emergencies Chemtrec<br>(800) 424-9300 |

| <p><b>II Health Hazard Data</b></p> <p>CORROSIVE to the eyes. May cause severe irritation or damage to eyes and skin. Harmful if swallowed; nausea, vomiting, and burning sensation of the mouth and throat may occur. 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 skin 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. No adverse health effects are expected with recommended use.</p> <p>FIRST AID: <u>EYE CONTACT:</u> Immediately flush eyes with water for 15 minutes. Contact a physician.<br/> <u>INGESTION:</u> Drink a glassful of water. <u>DO NOT</u> induce vomiting. Immediately contact a physician or Poison Control Center.<br/> <u>SKIN CONTACT:</u> Remove contaminated clothing. Flush skin with water. Contact a physician if irritation or discomfort persists.<br/> <u>INHALATION:</u> Remove from exposure to fresh air.</p> | <p><b>III Hazardous Ingredients</b></p> <table border="1"> <thead> <tr> <th>Ingredient</th> <th>Concentration</th> <th>Worker Exposure Limit</th> </tr> </thead> <tbody> <tr> <td>Sodium hydroxide<br/>CAS #1310-73-2</td> <td>&lt;0.2%</td> <td>2 mg/m<sup>3</sup> TLV-C</td> </tr> <tr> <td>Sodium hypochlorite<br/>CAS #7681-52-9</td> <td>6-7.35%</td> <td>not established</td> </tr> </tbody> </table> <p>None of the ingredients in this product are on the IARC, OSHA or NTP carcinogen lists.<br/>       TLV-C=Threshold Limit Value-Ceiling. The worker exposure limit should not be exceeded at any time. Source: ACGIH, 1997.</p> | Ingredient                | Concentration | Worker Exposure Limit | Sodium hydroxide<br>CAS #1310-73-2 | <0.2% | 2 mg/m <sup>3</sup> TLV-C | Sodium hypochlorite<br>CAS #7681-52-9 | 6-7.35% | not established |
|--|--|---------------------------|---------------|-----------------------|------------------------------------|-------|---------------------------|---------------------------------------|---------|-----------------|
| Ingredient   | Concentration  | Worker Exposure Limit     |               |                       |                                    |       |                           |                                       |         |                 |
| Sodium hydroxide<br>CAS #1310-73-2   | <0.2%  | 2 mg/m <sup>3</sup> TLV-C |               |                       |                                    |       |                           |                                       |         |                 |
| Sodium hypochlorite<br>CAS #7681-52-9  | 6-7.35%  | not established           |               |                       |                                    |       |                           |                                       |         |                 |

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| <p><b>IV Special Protection and Precautions</b></p> <p>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> Wear safety glasses and nitrile, neoprene or butyl rubber gloves. The availability of an eye wash and shower is recommended in a manufacturing environment.<br/> <u>Engineering Controls:</u> Use general ventilation to minimize exposure to vapors.<br/> <u>Work Practices:</u> Avoid eye and skin contact and inhalation of vapor or mist.</p> <p>KEEP OUT OF REACH OF CHILDREN</p> | <p><b>V Transportation and Regulatory Data</b></p> <p><u>U.S. DOT Hazard Class:</u> Not restricted per 49 CFR 172.101(c)(12)(iv).<br/> <u>U.S. Proper Shipping Name:</u> None<br/> <u>IMDG:</u> Not restricted per IMDG Code Page 40 Paragraph 2.3.1.3.<br/> <u>IATA:</u> Not restricted per IATA DGR special provision A3 and ICAO special provision 223.</p> <p><u>EPA - SARA TITLE III/CERCLA:</u> Bottled product is not reportable under Sections 311/312 and contains no chemicals reportable under Section 313. This product does contain chemicals (sodium hydroxide &lt;0.2% and sodium hypochlorite &lt;7.35% ) that are regulated under Section 304/CERCLA.</p> <p><u>TSCA/DSL STATUS:</u> All components of this product are on the U.S. TSCA Inventory and Canadian DSL.</p> |
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| <p><b>VI Spill Procedures/Waste Disposal</b></p> <p><u>Spill Procedures:</u> 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.<br/> <u>Waste Disposal:</u> Dispose of in accordance with all applicable federal, state, and local regulations.</p> | <p><b>VII Reactivity Data</b></p> <p>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.</p> |
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| <p><b>VIII Fire and Explosion Data</b></p> <p>Flash Point: None<br/> <u>Special Firefighting Procedures:</u> None<br/> <u>Unusual Fire/Explosion Hazards:</u> None. Not flammable or explosive.<br/>       Product does not ignite when exposed to open flame.</p> | <p><b>IX Physical Data</b></p> <p>Boiling point ..... approx. 212°F/100°C<br/>       Specific Gravity (H<sub>2</sub>O=1) ..... ~ 1.1 at 70°F<br/>       Solubility in Water ..... complete<br/>       pH ..... ~11.4</p> |
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