



**The Clorox Company**  
 1221 Broadway  
 Oakland, CA 94612  
 Tel. 1-510-271-7000

# Material Safety Data Sheet

<b>I Product:</b> LIQUID-PLUMR® MAINTENANCE™ CLOG REMOVER										
<b>Description:</b> CLEAR, FAINT YELLOW, THIN LIQUID WITH A CHARACTERISTIC BLEACH ODOR										
	<b>Distributor</b>									
	The Clorox Sales Company 1221 Broadway Oakland, CA 94612									
	<b>Emergency Telephone Nos.</b>									
	For Medical Emergencies, call 1-800-446-1014.  For Transportation Emergencies, call 1-800-424-9300 (Chemtrec).									
<b>II Health Hazard Data</b>	<b>III Hazardous Ingredients</b>									
<p>CAN CAUSE BURNS ON CONTACT. Injures eyes, skin, and mucous membranes on contact. Harmful if swallowed. Ingestion may cause nausea, vomiting, and burning sensation of the mouth and throat. Exposure to vapor or mist may irritate eyes, nose, throat, or lungs.</p> <p>Although not expected, heart conditions 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.</p> <p><b>FIRST AID:</b></p> <p><b>EYE CONTACT:</b> Flush immediately with water for 15 minutes. If wearing contact lenses, remove after first 5 minutes. Call a doctor or poison control center immediately.</p> <p><b>SKIN CONTACT:</b> Remove contaminated clothing. Wash immediately with water. Call a doctor or poison control center immediately.</p> <p><b>INGESTION:</b> Drink a glassful of water. DO NOT induce vomiting. Call a doctor or poison control center immediately.</p> <p><b>INHALATION:</b> Move person to fresh air. If breathing problems develop, call a doctor.</p>	<table border="1"> <thead> <tr> <th>Ingredient</th> <th>Concentration</th> <th>Worker Exposure Limit</th> </tr> </thead> <tbody> <tr> <td>Sodium hypochlorite CAS #7681-52-9</td> <td>3 - 7%</td> <td>Not established.</td> </tr> <tr> <td>Sodium hydroxide CAS #1310-73-2</td> <td>1 - 2.5%</td> <td>2 mg/m<sup>3</sup> - TLV-C<sup>a</sup> 2 mg/m<sup>3</sup> - PEL<sup>b</sup></td> </tr> </tbody> </table> <p><sup>a</sup>TLV-C = ACGIH Threshold Limit Value-Ceiling limit.  <sup>b</sup>PEL = OSHA Permissible Exposure Limit - Time Weighted Average</p> <p>None of the materials in this product are on the IARC, OSHA, or NTP carcinogen lists.</p>	Ingredient	Concentration	Worker Exposure Limit	Sodium hypochlorite CAS #7681-52-9	3 - 7%	Not established.	Sodium hydroxide CAS #1310-73-2	1 - 2.5%	2 mg/m <sup>3</sup> - TLV-C <sup>a</sup> 2 mg/m <sup>3</sup> - PEL <sup>b</sup>
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<b>IV Special Protection and Precautions</b>	<b>V Transportation and Regulatory Data</b>									
<p><b>Hygienic Practices:</b> Wash hands after direct contact. Do not wear product-contaminated clothing for prolonged periods.</p> <p><b>Engineering Controls:</b> Use general ventilation to minimize exposure to vapors.</p> <p><b>Work Practices:</b> Avoid splashing. Wear safety glasses and rubber or neoprene gloves. In situations where exposure limits may be exceeded, a NIOSH-approved respirator is advised.</p> <p>KEEP OUT OF REACH OF CHILDREN. Avoid all splashing - particularly in eyes, on skin, and on clothing. Keep children away from basins containing this product. Do not use with a plunger or in toilets. Do not use with ammonia, toilet bowl cleaners, acids, or non-Liquid-Plumr® clog removers. Do not reuse empty container. Rinse container and replace cap before discarding.</p>	<p><b>DOT:</b> Not restricted.</p> <p><b>IMDG:</b> Environmentally hazardous substance, liquid, n.o.s., UN3082, Class 9, PGIII.</p> <p><b>IATA:</b> Environmentally hazardous substance, liquid, n.o.s., UN3082, Class 9, PGIII.</p> <p><b>EPA - SARA TITLE III/CERCLA:</b> This product is regulated under Sections 311/312. This product contains no chemicals reportable under Section 313 and contains sodium hydroxide and sodium hypochlorite that are regulated under Section 304/CERCLA.</p> <p><b>TSCA 8(b):</b> All components of this product are either on the TSCA 8(b) Inventory or otherwise exempt from listing.</p> <p><b>TSCA 12(b):</b> This product is not subject to TSCA 12(b) reporting requirements.</p>									
<b>VI Spill Procedures/Waste Disposal</b>	<b>VII Reactivity Data</b>									
<p><b>Spill Procedures:</b> 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.</p> <p><b>Waste Disposal:</b> Dispose of in accordance with all applicable federal, state, and local regulations.</p>	<p>Stable under normal use and storage conditions.</p> <p>Reacts with other household chemicals such as ammonia, toilet bowl cleaners, acids, and non-Liquid-Plumr® drain openers to produce hazardous gases, such as chlorine and other chlorinated species.</p>									
<b>VIII Fire and Explosion Data</b>	<b>IX Physical Data</b>									
Not flammable or explosive.	<p>pH.....~13</p> <p>Specific gravity.....~1.1</p> <p>Solubility in water .....Soluble</p>									