

# Material Safety Data Sheet

<b>I Product:</b> LIQUID-PLUMR®	
<b>Description:</b> CLEAR ALKALINE LIQUID WITH A CHLORINE ODOR	
<b>Other Designations</b>	<b>Distributor</b>
Drain Cleaner Drain Opener	Clorox Sales Company 1221 Broadway Oakland, CA 94612
<b>Emergency Telephone Nos.</b>	
For Medical Emergencies call: (800) 446-1014 For Transportation Emergencies Chemtrac (800) 424-9300	

<b>II Health Hazard Data</b>	<b>III Hazardous Ingredients</b>									
<p><b>CORROSIVE</b> to the eyes. Injures eyes, skin and mucous membranes on contact. Harmful if swallowed; nausea, vomiting, and burning sensation of the mouth and throat may occur. No adverse health effects are expected with recommended use. Occasional clinical reports suggest a low potential for sensitization upon exaggerated exposure to sodium hypochlorite if skin damage (eg. irritation) occurs during exposure. However, clinical tests conducted on intact skin with Liquid-Plumr found no sensitization in the test subjects.</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> Immediately flush eyes with water for 15 minutes. Contact a physician.</p> <p><b>INGESTION:</b> Drink a glassful of water. <b>DO NOT</b> induce vomiting. Immediately contact a physician or Poison Control Center.</p> <p><b>SKIN CONTACT:</b> Remove contaminated clothing. Flush skin with water. Contact a physician if irritation or discomfort persists.</p> <p><b>INHALATION:</b> Remove from exposure to fresh air.</p>	<table border="1"> <thead> <tr> <th>Ingredient</th> <th>Concentration</th> <th>Worker Exposure Limit</th> </tr> </thead> <tbody> <tr> <td>Sodium hydroxide CAS #1310-73-2</td> <td>0.5-2%</td> <td>2 mg/m<sup>3</sup> TLV-C</td> </tr> <tr> <td>Sodium hypochlorite CAS #7681-52-9</td> <td>5-10%</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. TLV-C=Threshold Limit Value-Ceiling. The worker exposure limit should not be exceeded at any time. Source: ACGIH, 1985-86.</p>	Ingredient	Concentration	Worker Exposure Limit	Sodium hydroxide CAS #1310-73-2	0.5-2%	2 mg/m <sup>3</sup> TLV-C	Sodium hypochlorite CAS #7681-52-9	5-10%	not established
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<b>IV Special Protection and Precautions</b>	<b>V Transportation and Regulatory Data</b>
<p><b>Hygienic Practices:</b> Wear safety glasses and gloves. The availability of an eye wash and shower is recommended in a manufacturing environment.</p> <p><b>Engineering Controls:</b> Use general ventilation to minimize exposure to vapors.</p> <p><b>Work Practices:</b> Avoid eye and skin contact and inhalation of vapor or mist.</p> <p><b>KEEP OUT OF REACH OF CHILDREN.</b> Avoid all splashing; particularly in eyes, on skin and clothing. Keep children away from basins containing Liquid-Plumr. Do not use plunger with Liquid-Plumr. Do not use Liquid-Plumr with ammonia, toilet bowl cleaners or other drain openers. Do not reuse empty container. Rinse container and replace cap before discarding.</p>	<p>U.S. DOT Hazard Class: Not Restricted U.S. Proper Shipping Name: Sodium Hypochlorite Solution</p> <p>EPA - SARA TITLE III/CERCLA: This product is not reportable under Sections 311/312 and contains no chemicals reportable under Section 313. This product does contain chemicals (sodium hydroxide and sodium hypochlorite) that are regulated under Section 304/CERCLA.</p> <p>TSCA/DSL STATUS: All components of this product are on the U.S. TSCA Inventory and Canadian DSL.</p>

<b>VI Spill Procedures/Waste Disposal</b>	<b>VII Reactivity Data</b>
<p><b>Spill Procedures:</b> Immediately contain. Dispose of in accordance with all applicable federal, state, and local regulations.</p>	<p>Stable under normal use and storage conditions. Reacts with other household chemicals such as toilet bowl cleaners, ammonia or other 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>
<p>Flash Point: None Special Firefighting Procedures: None Unusual Fire/Explosion Hazards: None. Not flammable or explosive. Product does not ignite when exposed to open flame</p>	<p>Boiling point ..... approx. 212° F/100°C Specific Gravity (H<sub>2</sub>O=1)..... 1.08 Solubility in water ..... complete pH ..... 13.2</p>