



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

# Material Safety Data Sheet

<b>I Product:</b> LEMON FRESH TILEX® MILDEW REMOVER		
<b>Description:</b> CLEAR, FAINT YELLOW LIQUID WITH LEMON FRAGRANCE		
<b>Other Designations</b>	<b>Distributor</b>	<b>Emergency Telephone Nos.</b>
EPA Reg. No. 5813-24	Clorox Sales Company 1221 Broadway Oakland, CA 94612	For Medical Emergencies call: (800) 446-1014 For Transportation Emergencies Chemtrac (800) 424-9300

<b>II Health Hazard Data</b> <p>Moderate eye irritant. Mild to moderate skin irritant. Occasional clinical reports suggest a low potential for skin sensitization upon exaggerated exposure to sodium hypochlorite if skin damage (e.g., irritation) occurs during exposure. Routine clinical tests conducted on intact skin with this product found no sensitization in the test subjects. Exposure to vapor or mist may irritate eyes, nose, throat, lungs. Harmful if swallowed. May cause nausea and vomiting 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, emphysema, chronic bronchitis or obstructive lung disease. Under normal consumer-use conditions, the likelihood of any adverse health effects is low.</p> <p><u>FIRST AID:</u></p> <p><u>EYE CONTACT:</u> Remove any contact lenses, and flush eyes thoroughly with water for 15 minutes. If irritation persists, call a physician.</p> <p><u>SKIN CONTACT:</u> Remove contaminated clothing; wash affected skin with water.</p> <p><u>IF BREATHING IS AFFECTED:</u> Get fresh air immediately.</p> <p><u>IF SWALLOWED:</u> Drink a glass of water. Call a physician.</p>	<b>III Hazardous Ingredients</b> <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>1-5%</td> <td>none established</td> </tr> <tr> <td>Sodium hydroxide CAS #1310-73-2</td> <td>0.5-2%</td> <td>2 mg/m3, Ceiling-TLV 2 mg/m3, Ceiling Federal OSHA PEL</td> </tr> </tbody> </table> <p>TLV = Threshold Limit Value      Source: ACGIH 1992-1993        PEL = Permissible Exposure Limit      Source: OSHA</p> <p>None of the ingredients in this product are on the IARC, OSHA or NTP carcinogen lists.</p>	Ingredient	Concentration	Worker Exposure Limit	Sodium hypochlorite CAS #7681-52-9	1-5%	none established	Sodium hydroxide CAS #1310-73-2	0.5-2%	2 mg/m3, Ceiling-TLV 2 mg/m3, Ceiling Federal OSHA PEL
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<b>IV Special Protection and Precautions</b> <p><u>Hygienic Practices:</u> Do not get in eyes or on clothing. Avoid prolonged or repeated skin contact. Avoid prolonged breathing of vapor. Use only in well-ventilated areas.</p> <p><u>Personal Protection:</u> Wear safety glasses. For sensitive skin or repeated/prolonged use, wear gloves.</p> <p><u>Ventilation:</u> Use general ventilation to minimize exposure to gases or aerosols associated with this product.</p>	<b>V Transportation and Regulatory Data</b> <p><u>U.S. DOT Hazard Class:</u> Not restricted</p> <p><u>U.S. DOT Proper Shipping Name:</u> n/a</p> <p><u>EPA CERCLA/SARA TITLE III:</u></p> <table border="1"> <thead> <tr> <th>Chemical Name</th> <th>CERCLA/304 RQ(lbs.)</th> <th>311/212</th> <th>312</th> </tr> </thead> <tbody> <tr> <td>Sodium hypochlorite</td> <td>100</td> <td>No</td> <td>No</td> </tr> <tr> <td>Sodium hydroxide</td> <td>1000</td> <td>Yes</td> <td>No</td> </tr> </tbody> </table>	Chemical Name	CERCLA/304 RQ(lbs.)	311/212	312	Sodium hypochlorite	100	No	No	Sodium hydroxide	1000	Yes	No
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<b>VI Spill Procedures/Waste Disposal</b> <p><u>Spill Procedures:</u> Absorb and containerize. Wash down residual to sanitary sewer. Contact the sanitary treatment facility in advance to assure ability to process washed-down material.</p> <p><u>Waste Disposal:</u> Dispose of in accordance with all applicable federal, state, and local regulations.</p>	<b>VII Reactivity Data</b> <p>Stable under normal use and storage conditions. Strong oxidizing agent. Reacts with other household chemicals such as toilet bowl cleaners, rust removers, acids or ammonia-containing products to produce hazardous gases, such as chlorine and other chlorinated compounds. Prolonged contact with metal or old porcelain may cause pitting or discoloration.</p>
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<b>VIII Fire and Explosion Data</b> <p><u>Flashpoint:</u> greater than 200 °F</p> <p><u>Fire Extinguishing Agents:</u> Water spray, dry chemical or carbon dioxide (CO<sub>2</sub>).</p> <p><u>Special Fire-Fighting Procedures:</u> None</p> <p><u>Unusual Fire and Explosion Hazards:</u> None</p>	<b>IX Physical Data</b> <p><u>Appearance:</u> ..... Clear, faint yellow liquid</p> <p><u>Odor:</u> ..... Characteristic bleach odor</p> <p><u>pH:</u> ..... 12.4 - 12.8</p> <p><u>Solubility in water:</u> ..... Completely soluble</p> <p><u>Specific gravity (water = 1):</u> ..... 1.04 at 25°C</p>
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