

**The Clorox Company**

1221 Broadway  
Oakland, CA 94612  
Tel. (510) 271-7000

# Material Safety Data Sheet

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| <b>I Product:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                        | TILEX INSTANT MILDEW REMOVER                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                                              |                                                              |                        |                |            |                     |     |    |    |                  |      |     |    |
| <b>Description:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                        | CLEAR, FAINT YELLOW LIQUID WITH CHARACTERISTIC BLEACH ODOR                                                                                                                                                                                                                                                                                                                                                                 |                                                                                                              |                                                              |                        |                |            |                     |     |    |    |                  |      |     |    |
| <b>Other Designations</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                        | <b>Distributor</b>                                                                                                                                                                                                                                                                                                                                                                                                         | <b>Emergency Telephone Nos.</b>                                                                              |                                                              |                        |                |            |                     |     |    |    |                  |      |     |    |
| Tilex<br>Tilex Instant Mildew Stain Remover                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                        | Clorox Sales Company<br>1221 Broadway<br>Oakland, CA 94612                                                                                                                                                                                                                                                                                                                                                                 | For Medical Emergencies call:<br>(800) 446-1014<br>For Transportation Emergencies Chemtrac<br>(800) 424-9300 |                                                              |                        |                |            |                     |     |    |    |                  |      |     |    |
| <b>II Health Hazard Data</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                        | <b>III Hazardous Ingredients</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> |                        | <u>Ingredient</u>                                                                                                                                                                                                                                                                                                                                                                                                          | <u>Concentration</u>                                                                                         | <u>Worker Exposure Limit</u>                                 |                        |                |            |                     |     |    |    |                  |      |     |    |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                        | Sodium hypochlorite<br>CAS #7681-52-9                                                                                                                                                                                                                                                                                                                                                                                      | 1-5%                                                                                                         | none established                                             |                        |                |            |                     |     |    |    |                  |      |     |    |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                        | Sodium hydroxide<br>CAS #1310-73-2                                                                                                                                                                                                                                                                                                                                                                                         | 0.5-2%                                                                                                       | 2 mg/m3, Ceiling-TLV<br>2 mg/m3, Ceiling<br>Federal OSHA PEL |                        |                |            |                     |     |    |    |                  |      |     |    |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                        | TLV = Threshold Limit Value      Source: ACGIH 1992-1993<br>PEL = Permissible Exposure Limit      Source: OSHA                                                                                                                                                                                                                                                                                                             |                                                                                                              |                                                              |                        |                |            |                     |     |    |    |                  |      |     |    |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                        | None of the ingredients in this product are on the IARC, OSHA or NTP carcinogen lists.                                                                                                                                                                                                                                                                                                                                     |                                                                                                              |                                                              |                        |                |            |                     |     |    |    |                  |      |     |    |
| <b>IV Special Protection and Precautions</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                        | <b>V Transportation and Regulatory Data</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>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                        | <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><tr><td><u>Chemical Name</u></td><td>CERCLA/304<br/>RQ(lbs.)</td><td><u>311/212</u></td><td><u>312</u></td></tr><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></table> |                                                                                                              | <u>Chemical Name</u>                                         | CERCLA/304<br>RQ(lbs.) | <u>311/212</u> | <u>312</u> | Sodium hypochlorite | 100 | No | No | Sodium hydroxide | 1000 | Yes | No |
| <u>Chemical Name</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | CERCLA/304<br>RQ(lbs.) | <u>311/212</u>                                                                                                                                                                                                                                                                                                                                                                                                             | <u>312</u>                                                                                                   |                                                              |                        |                |            |                     |     |    |    |                  |      |     |    |
| Sodium hypochlorite                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 100                    | No                                                                                                                                                                                                                                                                                                                                                                                                                         | No                                                                                                           |                                                              |                        |                |            |                     |     |    |    |                  |      |     |    |
| Sodium hydroxide                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 1000                   | Yes                                                                                                                                                                                                                                                                                                                                                                                                                        | No                                                                                                           |                                                              |                        |                |            |                     |     |    |    |                  |      |     |    |
| <b>VI Spill Procedures/Waste Disposal</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                        | <b>VII Reactivity Data</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>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                        | 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.                                                            |                                                                                                              |                                                              |                        |                |            |                     |     |    |    |                  |      |     |    |
| <b>VIII Fire and Explosion Data</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                        | <b>IX Physical 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>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                        | <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>                                                                                                                                             |                                                                                                              |                                                              |                        |                |            |                     |     |    |    |                  |      |     |    |