



The Clorox Company

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

Material Safety Data Sheet

I Product: TILEX MILDEW ROOT PENETRATOR & REMOVER													
Description: CLEAR, FAINT YELLOW LIQUID WITH CHARACTERISTIC BLEACH ODOR													
Other Designations	Distributor												
U.S. EPA Reg. 5813-24	Clorox Sales Company 1221 Broadway Oakland, CA 94612												
Emergency Telephone Nos.													
For Medical Emergencies call: (800) 446-1014 For Transportation Emergencies Chemtrec (800) 424-9300													
II Health Hazard Data	III Hazardous Ingredients												
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.	<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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FIRST AID:													
EYE CONTACT: Remove any contact lenses, and flush eyes thoroughly with water for 15 minutes. If irritation persists, call a physician.													
SKIN CONTACT: Remove contaminated clothing; wash affected skin with water.													
IF BREATHING IS AFFECTED: Get fresh air immediately.													
IF SWALLOWED: Drink a glass of water. Call a physician.													
IV Special Protection and Precautions	V Transportation and Regulatory Data												
Hygienic Practices: 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.	U.S. DOT Hazard Class: Not restricted												
Personal Protection: Wear safety glasses. For sensitive skin or repeated/prolonged use, wear gloves.	U.S. DOT Proper Shipping Name: n/a												
Ventilation: Use general ventilation to minimize exposure to gases or aerosols associated with this product.	EPA CERCLA/SARA TITLE III:												
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VI Spill Procedures/Waste Disposal	VII Reactivity Data												
Spill Procedures: Absorb and containerize. Wash down residual to sanitary sewer. Contact the sanitary treatment facility in advance to assure ability to process washed-down material.	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.												
Waste Disposal: Dispose of in accordance with all applicable federal, state, and local regulations.													
VIII Fire and Explosion Data	IX Physical Data												
Flashpoint: greater than 200 °F	Appearance: Clear, faint yellow liquid												
Fire Extinguishing Agents: Water spray, dry chemical or carbon dioxide (CO ₂).	Odor: Characteristic bleach odor												
Special Fire-Fighting Procedures: None	pH: 12.4 - 12.8												
Unusual Fire and Explosion Hazards: None	Solubility in water: Completely soluble												
	Specific gravity (water = 1): 1.04 at 25°C												