



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

Material Safety Data Sheet

I Product: PINE-SOL® BRAND CLEANER

Description: CLEAR AMBER LIQUID WITH CHARACTERISTIC PINE ODOR

Other Designations	Distributor	Emergency Telephone Nos.
	Clorox Sales Company 1221 Broadway Oakland, CA 94612	For Medical Emergencies call: (800) 446-1014 For Transportation Emergencies Chemtrac (800) 424-9300

II Health Hazard Data	III Hazardous Ingredients												
<p>Eye irritant. May cause skin irritation. Avoid contact with food. No medical conditions are known to be aggravated by exposure to this product.</p> <p>FIRST AID:</p> <p>EYE CONTACT: Immediately rinse eyes with water for 15 minutes. If irritation persists, call a physician.</p> <p>INGESTION: DO NOT INDUCE VOMITING. Drink a glassful of water. Immediately call a physician.</p> <p>SKIN CONTACT: Remove contaminated clothing. Wash skin with water. If irritation persists, call a physician.</p> <p>INHALATION: Remove to fresh air. If breathing problems develop, call a physician.</p>	<table border="1"> <thead> <tr> <th>Ingredient</th> <th>Concentration</th> <th>Worker Exposure Limit</th> </tr> </thead> <tbody> <tr> <td>Pine oil CAS # 8002-09-3</td> <td>10 - 20%</td> <td>Not established.</td> </tr> <tr> <td>Isopropyl alcohol CAS # 67-63-0</td> <td>4 - 7%</td> <td>400 ppm - TLV-TWA^a 400 ppm - PEL^b 500 ppm - TLV-STEL^c</td> </tr> <tr> <td>Alkyl alcohol ethoxylates CAS # 66455-15-0</td> <td>2 - 6%</td> <td>Not established.</td> </tr> </tbody> </table> <p>^aTLV-TWA = ACGIH Threshold Limit Value - Time Weighted Average ^bPEL-TWA = OSHA Permissible Exposure Limit - Time Weighted Average ^cTLV-STEL = ACGIH Threshold Limit Value - Short Term Exposure Limit None of the materials in this product are on the IARC, OSHA, or NTP carcinogen lists.</p>	Ingredient	Concentration	Worker Exposure Limit	Pine oil CAS # 8002-09-3	10 - 20%	Not established.	Isopropyl alcohol CAS # 67-63-0	4 - 7%	400 ppm - TLV-TWA ^a 400 ppm - PEL ^b 500 ppm - TLV-STEL ^c	Alkyl alcohol ethoxylates CAS # 66455-15-0	2 - 6%	Not established.
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IV Special Protection and Precautions	V Transportation and Regulatory Data
<p>Hygienic Practices: Wash hands after direct contact. Do not wear product-contaminated clothing for prolonged periods.</p> <p>Engineering Controls: Use local exhaust to minimize exposure to product mist.</p> <p>Personal Protective Equipment: Wear safety glasses. Wear gloves if there is the potential for repeated or prolonged skin contact.</p>	<p>DOT: Not restricted.</p> <p>DOT Proper Shipping Name: n/a</p> <p>IMO Proper Shipping Name: Dangerous goods in limited quantities of Class 3.3.</p> <p>IATA Proper Shipping Name: Flammable liquid, Class 3, PGIII.</p> <p>TSCA Inventory/Canadian Domestic Substances List Status: All components of this product are listed.</p> <p>EPA - SARA Title III/CERCLA: Packaged product is not reportable under Sections 311/312. This product contains no chemicals regulated under Section 313 and contains sodium dodecylbenzenesulfonate (CAS #25155-30-0, <4%), ammonium hydroxide (CAS #1336-21-6, <1%), benzoic acid (CAS #65-85-0, <1%) and glycol ethers (<1%) which are regulated under Section 304/CERCLA.</p>

VI Spill Procedures/Waste Disposal	VII Reactivity Data
<p>Spill Procedures: Absorb and containerize. Wash residual down to sanitary sewer. Contact the sanitary treatment facility in advance to assure ability to process washed-down material.</p> <p>Waste Disposal: Dispose of in accordance with all applicable federal, state, and local regulations.</p>	<p>Stable under normal use and storage conditions.</p>

VIII Fire and Explosion Data	IX Physical Data
<p>Flash Point: 105°F (Setaflash closed cup)</p> <p>Fire Extinguishing Agents: Dry chemical, carbon dioxide (CO₂), foam or water spray.</p>	<p>pH.....3.0 - 4.0</p> <p>Specific gravity-1.0</p> <p>Solubility in water.....Soluble</p>