

605006 Part# 40174  
 CLEANER,PINE-SOL,28OZ.  
 1224000 CLOROX CO. 8  
 Buyer: Linda J. Kosakowski

The Clorox Company  
 221 Broadway  
 Oakland, CA 94612  
 tel. (510) 271-7000

# Material Safety Data Sheet

<b>I Product:</b> ORIGINAL PINE-SOL® BRAND CLEANER 1																	
<b>Description:</b> CLEAR, AMBER, THIN LIQUID WITH CHARACTERISTIC PINE ODOR																	
<b>Other Designations</b>	<b>Distributor</b>	<b>Emergency Telephone Nos.</b>															
EPA Reg. No. 5813-83	Clorox Sales Company 1221 Broadway Oakland, CA 94612	For Medical Emergencies, call 1-800-446-1014.  For Transportation Emergencies, call 1-800-424-9300 (Chemtrec).															
<b>II Health Hazard Data</b>		<b>III Hazardous Ingredients</b>															
<p>Causes substantial but temporary eye injury.</p> <p>No medical conditions are known to be aggravated by exposure to this product.</p> <p><b>FIRST AID:</b></p> <p><b>EYE CONTACT:</b> Hold eye open and rinse with water for 15-20 minutes. Remove contact lenses, if present, after first 5 minutes, then continue rinsing eye. If irritation persists, call a doctor.</p> <p><b>SKIN CONTACT:</b> Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. If irritation develops, call a doctor.</p> <p><b>INGESTION:</b> Call a poison control center or doctor immediately for treatment advice. Have person sip a glassful of water if able to swallow. Do not induce vomiting unless told to do so by a poison control center or doctor. Do not give anything by mouth to an unconscious person.</p> <p><b>INHALATION:</b> Remove to fresh air. If breathing is affected, call a doctor.</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>8 - 10%</td> <td>Not established.</td> </tr> <tr> <td>Alkyl alcohol ethoxylates CAS # 127036-24-2</td> <td>3 - 7%</td> <td>Not established.</td> </tr> <tr> <td>Isopropyl alcohol CAS #67-63-0</td> <td>1 - 5%</td> <td>200 ppm - TLV-TWA<sup>a</sup> 400 ppm - PEL<sup>b</sup> 400 ppm - TLV-STEL<sup>c</sup></td> </tr> <tr> <td>Sodium petroleum sulfonate CAS # 68608-26-4</td> <td>1 - 5%</td> <td>Not established.</td> </tr> </tbody> </table> <p><sup>a</sup>TLV-TWA = ACGIH Threshold Limit Value - Time Weighted Average  <sup>b</sup>PEL = OSHA Permissible Exposure Limit - Time Weighted Average  <sup>c</sup>TLV-STEL = ACGIH Threshold Limit Value - Short Term Exposure Limit</p> <p>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	8 - 10%	Not established.	Alkyl alcohol ethoxylates CAS # 127036-24-2	3 - 7%	Not established.	Isopropyl alcohol CAS #67-63-0	1 - 5%	200 ppm - TLV-TWA <sup>a</sup> 400 ppm - PEL <sup>b</sup> 400 ppm - TLV-STEL <sup>c</sup>	Sodium petroleum sulfonate CAS # 68608-26-4	1 - 5%	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> Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, or using tobacco. Remove and wash contaminated clothing before reuse.</p> <p><b>Engineering Controls:</b> Use general ventilation or local exhaust to minimize exposure to vapor or mist.</p> <p><b>Personal Protective Equipment:</b> Wear safety glasses. Wear rubber or neoprene gloves if there is the potential for repeated or prolonged skin contact. In situations where exposure limits may be exceeded, a NIOSH-approved respirator is advised.</p>		<p><b>DOT:</b> Not restricted per 49 CFR 173.120(a)(3) and Appendix H.</p> <p><b>IMDG:</b> Not restricted per IMDG Code Page 0016 Paragraph 5.1.3.1.1.</p> <p><b>IATA:</b> Not restricted per IATA D.G.R. Sections 3.3.1.2 and 3.3.5.</p> <p><b>EPA - SARA Title III/CERCLA:</b> This product is regulated under Sections 311/312. This product contains no chemicals which are regulated under Section 313 and contains benzoic acid (CAS #65-85-0, &lt;1%) which is regulated under Section 304/CERCLA.</p>															
<b>VI Spill Procedures/Waste Disposal</b>		<b>VII Reactivity Data</b>															
<p><b>Spill Procedures:</b> 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><b>Waste Disposal:</b> Dispose of in accordance with all applicable federal, state, and local regulations.</p>		Stable under normal use and storage conditions.															
<b>VIII Fire and Explosion Data</b>		<b>IX Physical Data</b>															
<p><b>Flash Point:</b> 121° F (Tag closed cup).</p> <p><b>Fire Extinguishing Agents:</b> Dry chemical, carbon dioxide (CO<sub>2</sub>), foam, or water spray.</p>		<p>pH..... 3.0 - 4.0</p> <p>Specific gravity.....~1.0</p> <p>Solubility in water.....Appreciable</p>															