



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

2520-57

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# Material Safety Data Sheet

<b>I Product:</b> ORANGE ENERGY™ PINE-SOL® ALL PURPOSE CLEANER										
<b>Description:</b> CLEAR ORANGE LIQUID WITH CITRUS ORANGE ODOR										
<b>Other Designations</b>	<b>Distributor</b>									
	Clorox Sales Company 1221 Broadway Oakland, CA 94612									
<b>Emergency Telephone Nos.</b>										
For Medical Emergencies, call 1-800-446-1014  For Transportation Emergencies, call Chemtrec 1-800-424-9300										
<b>II Health Hazard Data</b>	<b>III Hazardous Ingredients</b>									
<p>Eye irritant. May cause skin irritation.</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> Immediately rinse with plenty of water. If irritation persists, call a doctor.</p> <p><b>INGESTION:</b> Drink a glassful of water. Call a doctor or poison control center.</p> <p><b>SKIN CONTACT:</b> Rinse with plenty of water. If irritation persists, call a doctor.</p> <p><b>INHALATION:</b> Remove to fresh air. If breathing problems develop, 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>Alkyl alcohol ethoxylates CAS # 66455-15-0</td> <td>5 - 10%</td> <td>Not established.</td> </tr> <tr> <td>Monoethanolamine CAS # 141-43-5</td> <td>1 - 5%</td> <td>3 ppm - TLV-TWA<sup>a</sup> 3 ppm - PEL<sup>b</sup> 6 ppm - TLV-STEL<sup>c</sup></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	Alkyl alcohol ethoxylates CAS # 66455-15-0	5 - 10%	Not established.	Monoethanolamine CAS # 141-43-5	1 - 5%	3 ppm - TLV-TWA <sup>a</sup> 3 ppm - PEL <sup>b</sup> 6 ppm - TLV-STEL <sup>c</sup>
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<b>IV Special Protection and Precautions</b>	<b>V Transportation and Regulatory Data</b>									
<p><b>Hygienic Practices:</b> Wash hands after direct contact. Do not wear product-contaminated clothing for prolonged periods.</p> <p><b>Engineering Controls:</b> Use local exhaust to minimize exposure to product 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/IATA/IMDG:</b> Not restricted.</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 ethylenediaminetetraacetic acid (CAS #60-00-4, &lt;1%) and glycol ethers (&lt;1%) which are 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>	<p>Stable under normal use and storage conditions.</p>									
<b>VIII Fire and Explosion Data</b>	<b>IX Physical Data</b>									
<p><b>Flash Point:</b> &gt;200°F (closed cup)</p> <p><b>Fire Extinguishing Agents:</b> Dry chemical, carbon dioxide (CO<sub>2</sub>), foam, or water spray.</p>	<p>pH .....-10.5</p> <p>Specific gravity .....~1.0</p> <p>Solubility in water..... Soluble</p>									