



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

2520-21  
CLO 35419

## Material Safety Data Sheet

<b>I Product:</b> COMMERCIAL SOLUTIONS™ LEMON FRESH® PINE-SOL® ALL-PURPOSE CLEANER													
<b>Description:</b> CLEAR YELLOW LIQUID WITH CITRUS ODOR													
<b>Other Designations</b>	<table border="1"><tr><td><b>Distributor</b> Clorox Professional Products Company 1221 Broadway Oakland, CA 94612</td><td><b>Emergency Telephone Nos.</b> For Medical Emergencies call: (800) 446-1014 For Transportation Emergencies Chemtrac (800) 424-9300</td></tr></table>	<b>Distributor</b> Clorox Professional Products Company 1221 Broadway Oakland, CA 94612	<b>Emergency Telephone Nos.</b> For Medical Emergencies call: (800) 446-1014 For Transportation Emergencies Chemtrac (800) 424-9300										
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<b>II Health Hazard Data</b>													
Eye irritant. Repeated or prolonged skin contact may cause irritation.													
No medical conditions are known to be aggravated by exposure to this product.													
<b>FIRST AID:</b>													
<b>EYE CONTACT:</b> Immediately rinse with water for 15 minutes. If irritation persists, call a physician.													
<b>INGESTION:</b> Drink a glassful of water. Call a physician.													
<b>SKIN CONTACT:</b> Wash skin with water. If irritation persists, call a physician.													
<b>INHALATION:</b> Remove to fresh air. If breathing problems develop, call a physician.													
HMS: H=2, F=2, R=0													
HMS Hazard Scale: 1=slight 2=moderate 3=serious 4=severe													
<b>III Hazardous Ingredients</b>													
<table border="1"><thead><tr><th>Ingredient</th><th>Concentration</th><th>Worker Exposure Limit</th></tr></thead><tbody><tr><td>Isopropyl alcohol CAS #67-63-0</td><td>4 - 7%</td><td>400 ppm - TLV-TWA<sup>a</sup> 400 ppm - PEL-TWA<sup>b</sup> 500 ppm - TLV-STEL<sup>c</sup></td></tr><tr><td>Terpene hydrocarbons</td><td>2 - 5%</td><td>Not established.</td></tr><tr><td>Alkyl alcohol ethoxylates CAS #66455-15-0</td><td>5 - 10%</td><td>Not established.</td></tr></tbody></table>		Ingredient	Concentration	Worker Exposure Limit	Isopropyl alcohol CAS #67-63-0	4 - 7%	400 ppm - TLV-TWA <sup>a</sup> 400 ppm - PEL-TWA <sup>b</sup> 500 ppm - TLV-STEL <sup>c</sup>	Terpene hydrocarbons	2 - 5%	Not established.	Alkyl alcohol ethoxylates CAS #66455-15-0	5 - 10%	Not established.
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<sup>a</sup> TLV-TWA = ACGIH Threshold Limit Value - Time Weighted Average													
<sup>b</sup> PEL-TWA = OSHA Permissible Exposure Limit - Time Weighted Average													
<sup>c</sup> TLV-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.													
<b>IV Special Protection and Precautions</b>													
<b>Hygienic Practices:</b> Wash hands after direct contact. Do not wear product-contaminated clothing for prolonged periods.													
<b>Engineering Controls:</b> Use local exhaust to minimize exposure to product mist.													
<b>Personal Protective Equipment:</b> Wear safety glasses. Wear gloves if there is the potential for repeated or prolonged skin contact.													
<b>V Transportation and Regulatory Data</b>													
<b>DOT:</b> Not restricted per 49 CFR 173.120(a)(3) and Appendix H.													
<b>IMDG:</b> Not restricted per IMDG Code Page 0016 Paragraph 5.1.3.1.1.													
<b>IATA:</b> Not restricted per IATA D.G.R. Sections 3.3.1.2 and 3.3.5.													
<b>TSCA Status:</b> All components of this product are on the TSCA inventory.													
<b>EPA - SARA Title III/CERCLA:</b> Packaged product is not reportable under Sections 311/312. This product contains no chemicals regulated under Section 313 and contains glycol ethers (<2%) and sodium dodecylbenzenesulfonate (CAS #25155-30-0, <2%) which are regulated under Section 304/CERCLA.													
<b>VI Spill Procedures/Waste Disposal</b>													
<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.													
<b>Waste Disposal:</b> Dispose of in accordance with all applicable federal, state, and local regulations.													
<b>VII Reactivity Data</b>													
Stable under normal use and storage conditions.													
<b>VIII Fire and Explosion Data</b>													
<b>Flash Point:</b> -102°F (Setaflash closed cup).													
<b>Fire Extinguishing Agents:</b> Dry chemical, carbon dioxide (CO <sub>2</sub> ), foam, or water spray.													
<b>IX Physical Data</b>													
pH..... 10.0 - 11.0													
Specific gravity..... ~1.0													

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