

**The Clorox Company**

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

**Material Safety
Data Sheet**

I Product: COMMERCIAL SOLUTIONS™ LEMON FRESH! PINE-SOL® ALL PURPOSE CLEANER											
Description: CLEAR, YELLOW, THIN LIQUID WITH CITRUS ODOR											
Other Designations	Distributor	Emergency Telephone Nos.									
	Clorox Sales Company 1221 Broadway Oakland, CA 94612	For Medical Emergencies, call 1-800-446-1014 For Transportation Emergencies, call Chemtrec 1-800-424-9300									
II Health Hazard Data		III Hazardous Ingredients									
Eye irritant. May cause skin irritation. No medical conditions are known to be aggravated by exposure to this product. <u>FIRST AID:</u> <u>EYE CONTACT:</u> Immediately rinse with plenty of water. If irritation persists, call a doctor. <u>INGESTION:</u> Drink a glassful of water. Call a doctor or poison control center. <u>SKIN CONTACT:</u> Rinse with plenty of water. If irritation persists, call a doctor. <u>INHALATION:</u> Remove to fresh air. If breathing problems develop, call a doctor.		<table><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>0.5 - 1.5%</td><td>3 ppm - TLV-TWA^a 3 ppm - PEL^b 6 ppm - TLV-STEL^c</td></tr></tbody></table> ^a TLV-TWA = ACGIH Threshold Limit Value - Time Weighted Average ^b PEL = OSHA Permissible Exposure Limit - Time Weighted Average ^c 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.	Ingredient	Concentration	Worker Exposure Limit	Alkyl alcohol ethoxylates CAS # 66455-15-0	5 - 10%	Not established.	Monoethanolamine CAS #141-43-5	0.5 - 1.5%	3 ppm - TLV-TWA ^a 3 ppm - PEL ^b 6 ppm - TLV-STEL ^c
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IV Special Protection and Precautions		V Transportation and Regulatory Data									
<u>Hygienic Practices:</u> Wash hands after direct contact. Do not wear product-contaminated clothing for prolonged periods. <u>Engineering Controls:</u> Use local exhaust to minimize exposure to product mist. <u>Personal Protective Equipment:</u> 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.		<u>DOT/IATA/IMDG:</u> Not restricted. <u>EPA - SARA Title III/CERCLA:</u> This product is regulated under Sections 311/312. This product contains no chemicals which are regulated under Section 313 and contains glycol ethers (<1%) which are regulated under Section 304/CERCLA.									
VI Spill Procedures/Waste Disposal		VII Reactivity Data									
<u>Spill Procedures:</u> Absorb and containerize. Wash residual down to sanitary sewer. Contact the sanitary treatment facility in advance to assure ability to process washed-down material. <u>Waste Disposal:</u> Dispose of in accordance with all applicable federal, state, and local regulations.		Stable under normal use and storage conditions.									
VIII Fire and Explosion Data		IX Physical Data									
<u>Flash Point:</u> >200°F (closed cup) <u>Fire Extinguishing Agents:</u> Dry chemical, carbon dioxide (CO ₂), foam, or water spray.		pH.....~10.5 Specific gravity~1.0 Solubility in water.....Soluble									