



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

CLD 41772
2520-57

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Material Safety Data Sheet

I Product: ORANGE ENERGY™ PINE-SOL® ALL PURPOSE CLEANER											
Description: CLEAR ORANGE LIQUID WITH CITRUS ORANGE 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. FIRST AID: EYE CONTACT: Immediately rinse with plenty of water. If irritation persists, call a doctor. INGESTION: Drink a glassful of water. Call a doctor or poison control center. SKIN CONTACT: Rinse with plenty of water. If irritation persists, call a doctor. INHALATION: Remove to fresh air. If breathing problems develop, call a doctor.		<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 # 86455-15-0</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* 3 ppm - PEL* 6 ppm - TLV-STEL*</td></tr></tbody></table> *TLV-TWA = ACGIH Threshold Limit Value - Time Weighted Average *PEL = OSHA Permissible Exposure Limit - Time Weighted Average *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 # 86455-15-0	5 - 10%	Not established.	Monoethanolamine CAS #141-43-5	1 - 5%	3 ppm - TLV-TWA* 3 ppm - PEL* 6 ppm - TLV-STEL*
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IV Special Protection and Precautions		V Transportation and Regulatory Data									
Hygienic Practices: Wash hands after direct contact. Do not wear product-contaminated clothing for prolonged periods. Engineering Controls: Use local exhaust to minimize exposure to product mist. Personal Protective Equipment: 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.		DOT/ATA/IMDG: Not restricted. EPA - SARA Title III/CERCLA: 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, <1%) and glycol ethers (<1%) which are regulated under Section 304/CERCLA.									
VI Spill Procedures/Waste Disposal		VII Reactivity Data									
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. Waste Disposal: 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									
Flash Point: >200°F (closed cup) Fire Extinguishing Agents: Dry chemical, carbon dioxide (CO ₂), foam, or water spray.		pH ~10.5 Specific gravity ~1.0 Solubility in water Soluble									