



The Clorox Company
7200 Johnson Drive
Pleasanton, California 94588
Tel. (510) 847-6100

Material Safety Data Sheet

COM-40137

I Product: PINE-SOL CLEANER																	
Description: CLEAR AMBER LIQUID WITH CHARACTERISTIC PINE ODOR																	
Other Designations	Manufacturer																
PINE-SOL Broad Spectrum Formula PINE-SOL dilutable	The Clorox Company 1221 Broadway Oakland, CA 94612																
Emergency Telephone No.																	
For Medical Emergencies, call Rocky Mountain Poison Center: 1-800-446-1014 For Transportation Emergencies, call: Chemtrec: 1-800-424-9300																	
II Health Hazard Data	III Hazardous Ingredients																
May cause eye irritation. Do not get in eyes. Repeated or prolonged skin contact may cause irritation. For sensitive skin or prolonged use, wear gloves. Possible aspiration hazard if swallowed. Avoid contact with food. There are no known medical conditions aggravated by exposure to this product.	<table border="1"> <thead> <tr> <th>Ingredients</th> <th>Concentration</th> <th>Worker Exposure Limit</th> </tr> </thead> <tbody> <tr> <td>Pine oil</td> <td>19.9%</td> <td>none established</td> </tr> <tr> <td>Surfactants</td> <td>< 10%</td> <td>none established</td> </tr> <tr> <td>Isopropyl alcohol CAS #67-63-0</td> <td>< 10%</td> <td>400 ppm, TLV-TWA and PEL -TWA 500 ppm, TLV-STEL</td> </tr> </tbody> </table>	Ingredients	Concentration	Worker Exposure Limit	Pine oil	19.9%	none established	Surfactants	< 10%	none established	Isopropyl alcohol CAS #67-63-0	< 10%	400 ppm, TLV-TWA and PEL -TWA 500 ppm, TLV-STEL				
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FIRST AID: EYE CONTACT: Immediately flush eyes with plenty of water. If irritation persists, call a physician. SKIN CONTACT: Remove contaminated clothing. Flush skin with water. If irritation persists, call a physician. IF SWALLOWED: Do NOT induce vomiting. Drink a glassful of water or milk, and call a physician. INHALATION: If breathing is affected, breathe fresh air.	TLV-TWA = Threshold Limit Value - Time Weighted Average Source: ACGIH STEL = Short Term Exposure Limit PEL = Permissible Exposure Limit Source: OSHA None of the ingredients in this product are on the NTP, IARC, or OSHA carcinogen lists.																
IV Special Protection and Precautions	V Transportation and Regulatory Data																
Do not get in eyes. For sensitive skin or prolonged skin contact, wear gloves. <u>Personal protection:</u> chemical safety goggles and protective gloves.	U.S. DOT Hazard Class: Not restricted U.S. DOT Proper Shipping Name: Compound, cleaning, liquid (Bulk package [120 + gallons] = combustible liquid) EPA CERCLA/SAHA TITLE III: <table border="1"> <thead> <tr> <th>Chemical Name</th> <th>CERCLA/304 RQ (lbs.)</th> <th>311/312</th> <th>313</th> </tr> </thead> <tbody> <tr> <td>Isopropyl alcohol</td> <td>---</td> <td>Yes</td> <td>Yes</td> </tr> <tr> <td>Benzoic acid CAS #65-85-0</td> <td>5000</td> <td>No</td> <td>No</td> </tr> <tr> <td>Ammonium hydroxide CAS #1336-21-6</td> <td>1000</td> <td>No</td> <td>No</td> </tr> </tbody> </table> TSCA - All chemicals in this product are listed on the TSCA inventory	Chemical Name	CERCLA/304 RQ (lbs.)	311/312	313	Isopropyl alcohol	---	Yes	Yes	Benzoic acid CAS #65-85-0	5000	No	No	Ammonium hydroxide CAS #1336-21-6	1000	No	No
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VI Spill Procedures/Waste Disposal	VII Reactivity Data																
<u>Spill Procedures:</u> Containerize and dispose of in accordance with local regulations. Contact the local waste water treatment facility to determine whether residual may be washed down to the sanitary sewer. <u>Waste Disposal:</u> Reclaim if possible; otherwise dispose in accordance with all applicable federal, state, and local regulations.	<u>Stability:</u> stable <u>Polymerization:</u> will not occur <u>Conditions to Avoid:</u> storage at high temperature (+ 120° F) <u>Incompatible Materials:</u> no specific incompatibility <u>Hazardous Decomposition Products:</u> thermal decomposition may produce carbon dioxide (CO ₂) and/or carbon monoxide (CO).																
VIII Fire and Explosion Data	IX Physical Data																
<u>Flash Point:</u> 101°F closed cup <u>Fire Extinguishing Agents:</u> Dry chemical, carbon dioxide (CO ₂), foam or water spray. <u>Special Fire-Fighting Procedures:</u> None <u>Unusual Fire and Explosion Hazards:</u> None	<u>Appearance:</u> clear, amber liquid <u>Odor:</u> characteristic pine odor <u>pH:</u> 3.0 - 4.0 <u>Solubility in water:</u> completely dispersible <u>Specific gravity (water = 1):</u> 0.987																