



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

Material Safety Data Sheet

I Product:	PINE-SOL® BRAND CLEANER	
Description:	CLEAR AMBER LIQUID WITH CHARACTERISTIC PINE ODOR	
Other Designations	Distributor	Emergency Telephone Nos.
	Clorox Sales Company 1221 Broadway Oakland, CA 94612	For Medical Emergencies call: (800) 446-1014 For Transportation Emergencies Chemtrac (800) 424-9300

II Health Hazard Data

Eye irritant. May cause skin irritation. Avoid contact with food.
No medical conditions are known to be aggravated by exposure to this product.

FIRST AID:
EYE CONTACT: Immediately rinse eyes with water for 15 minutes. If irritation persists, call a physician.
INGESTION: DO NOT INDUCE VOMITING. Drink a glassful of water. Immediately call a physician.
SKIN CONTACT: Remove contaminated clothing. Wash skin with water. If irritation persists, call a physician.
INHALATION: Remove to fresh air. If breathing problems develop, call a physician.

III Hazardous Ingredients

Ingredient	Concentration	Worker Exposure Limit
Pine oil CAS # 8002-09-3	10 - 20%	Not established.
Isopropyl alcohol CAS # 67-63-0	4 - 7%	400 ppm - TLV-TWA* 400 ppm - PEL ^b 500 ppm - TLV-STEL ^c
Alkyl alcohol ethoxylates CAS # 66455-15-0	2 - 6%	Not established.

*TLV-TWA = ACGIH Threshold Limit Value - Time Weighted Average
^bPEL-TWA = OSHA Permissible Exposure Limit - Time Weighted Average
^cTLV-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.

IV Special Protection and Precautions

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 gloves if there is the potential for repeated or prolonged skin contact.

V Transportation and Regulatory Data

DOT: Not restricted.
DOT Proper Shipping Name: n/a
IMO Proper Shipping Name: Dangerous goods in limited quantities of Class 3.3.
IATA Proper Shipping Name: Flammable liquid, Class 3, PGIII.
TSCA Inventory/Canadian Domestic Substances List Status:
 All components of this product are listed.
EPA - SARA Title III/CERCLA: Packaged product is not reportable under Sections 311/312. This product contains no chemicals regulated under Section 313 and contains sodium dodecylbenzenesulfonate (CAS #25155-30-0, <4%), ammonium hydroxide (CAS #1336-21-6, <1%), benzoic acid (CAS #65-85-0, <1%) and glycol ethers (<1%) which are regulated under Section 304/CERCLA.

VI Spill Procedures/Waste Disposal

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.

VII Reactivity Data

Stable under normal use and storage conditions.

VIII Fire and Explosion Data

Flash Point: 105°F (Setaflash closed cup)
Fire Extinguishing Agents: Dry chemical, carbon dioxide (CO₂), foam or water spray.

IX Physical Data

pH.....3.0 - 4.0
 Specific gravity~1.0
 Solubility in water.....Soluble