



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

Material Safety Data Sheet

I Product: PINE-SOL® CLEANER

Description: CLEAR AMBER LIQUID WITH CHARACTERISTIC PINE ODOR

Other Designations	Distributor	Emergency Telephone Nos.
PINE-SOL Broad Spectrum Formula PINE-SOL dilutable	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

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.

- 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.

III Hazardous Ingredients

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

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

Do not get in eyes. For sensitive skin or prolonged skin contact, wear gloves.

Personal protection: chemical safety goggles and protective gloves.

V Transportation and Regulatory Data

U.S. DOT Hazard Class: Not restricted
U.S. DOT Proper Shipping Name: n/a
(Bulk package [120 + gallons] = combustible liquid)

EPA CERCLA/SARA TITLE III:

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

TSCA - All chemicals in this product are listed on the TSCA inventory

VI Spill Procedures/Waste Disposal

Spill Procedures: 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.

Waste Disposal:
Reclaim if possible; otherwise dispose in accordance with all applicable federal, state, and local regulations.

VII Reactivity Data

Stability: stable
Polymerization: will not occur
Conditions to Avoid: storage at high temperature (+ 120° F)
Incompatible Materials: no specific incompatibility
Hazardous Decomposition Products: thermal decomposition may produce carbon dioxide (CO₂) and/or carbon monoxide (CO).

VIII Fire and Explosion Data

Flash Point: 101 °F closed cup
Fire Extinguishing Agents: Dry chemical, carbon dioxide (CO₂), foam or water spray.
Special Fire-Fighting Procedures: None
Unusual Fire and Explosion Hazards: None

IX Physical Data

Appearance: clear, amber liquid
Odor: characteristic pine odor
pH: 3.0 - 4.0
Solubility in water: completely dispersible
Specific gravity (water = 1) : 0.987

