



SECTION 1 - PRODUCT IDENTIFICATION AND USE

PRODUCT NAME: PINE-SOL® REGULAR HOUSEHOLD CLEANER - Reg. No. 17874		PRODUCT IDENTIFICATION NUMBER: Not applicable.
PRODUCT USE: General purpose household cleaner		
MANUFACTURER		SUPPLIER
The Clorox Company of Canada, Ltd. 5700 Yonge Street, Suite 1210 Toronto, Ontario M2M 4K2		The Clorox Company of Canada, Ltd. 5700 Yonge Street, Suite 1210 Toronto, Ontario M2M 4K2
EMERGENCY PHONE NO.: 1-800-446-1014		EMERGENCY PHONE NO.: 1-800-446-1014

SECTION 2 - HAZARDOUS INGREDIENTS

Hazardous Ingredient	% (w/w)	CAS Number	LD50 of Material (Specify Species & Route)	LC50 of Material (Specify Species)
Pine oil	13-17	8002-09-3	3.2 g/kg (rat, oral) 5 g/kg (rabbit, dermal)	Not available.
Isopropyl alcohol	7-13	67-63-0	5.0 g/kg (rat, oral) 12.8 g/kg (rabbit, dermal)	22600 ppm (rat)
Tall oil fatty acids, potassium salts	7-13	61790-44-1	Not available.	Not available.

SECTION 3 - PHYSICAL DATA

Physical State: Liquid	Odour & Appearance: Clear, amber, thin liquid with pine odour.	Odour Threshold: Not available.	Specific Gravity: ~1.0
Vapour Pressure: Not available.	Vapour Density: N. Av.	Evaporation Rate: N. Av.	Boiling Point: N. Av.
Volatiles (by volume): ~75	Solubility in Water: Appreciable	pH: ~9.3	Freezing Point: N. Av.
			Coeff. of Water/Oil Dist.: Not available.

SECTION 4 - FIRE AND EXPLOSION DATA

Flammability: Yes: <input checked="" type="checkbox"/> No: <input type="checkbox"/> If yes, under which conditions? Division 2. Keep away from heat, sparks, and open flame.	
Means of extinction: Dry chemical, carbon dioxide (CO ₂), foam, or water spray.	
Special Procedures: None known.	
Flashpoint & Method: 33°C (Tag closed cup)	Upper Flammable Limit (% by volume): Not available. Lower Flammable Limit (% by volume): Not available.
Autoignition Temperature: N. Av.	Hazardous Combustion Products: Products of combustion are toxic.
Explosion Data - Sensitivity to Impact: Not applicable.	Explosion Data - Sensitivity to Static Discharge: Not applicable.

SECTION 5 - REACTIVITY DATA

Chemical Stability: Yes: <input checked="" type="checkbox"/> No: <input type="checkbox"/> If no, under which conditions?	
Incompatibility with other substances: Yes: <input type="checkbox"/> No: <input checked="" type="checkbox"/> If so, which ones?	
Reactivity, if any, and under what conditions?	None known.
Hazardous decomposition products?	Products of decomposition are toxic.

SECTION 6 - TOXICOLOGICAL PROPERTIES

Route of Entry? Skin Contact: <u> X </u> Skin Absorption: <u> </u> Eye Contact: <u> X </u> Inhalation Acute: <u> </u> Inhalation Chronic: <u> </u> Ingestion: <u> X </u>			
Effects of Acute Exposure to Material: Direct or prolonged eye or skin contact may result in irritation. Harmful or fatal if swallowed.			
Effects of Chronic Exposure to Material: None known.			
Exposure Limits (TLV, ACGIH): Isopropyl alcohol - 400 ppm - TWA 500 ppm - STEL	Irritancy of Material: Moderately-to-severely irritating to eyes. Mildly irritating to skin.	Sensitization Property of Material: Not a sensitizer.	Carcinogenicity of Material: Not a carcinogen.
Teratogenicity/Embryotoxicity: Not teratogenic or embryotoxic.	Reproductive Toxicity: Not a reproductive toxicant.	Mutagenicity: Not mutagenic.	Synergistic Materials: None known.

SECTION 7 - PREVENTATIVE MEASURES

Personal Protective Equipment:		
Gloves (specify): Wear rubber or neoprene gloves if there is the potential for repeated or prolonged skin contact.	Respirator (specify): In situations where exposure limits may be exceeded, a NIOSH-approved respirator is advised.	Eye (specify): Safety glasses.
Footwear (specify): Not applicable.	Clothing (specify): Not applicable.	Other (specify): Not applicable.
Engineering Controls (specify, e.g. ventilation, enclosed process):	Use local exhaust to minimize exposure to product mist.	
Leak and Spill Procedure:	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 existing federal, provincial, and municipal environmental regulations.	
Handling Procedures & Equipment:	Avoid contact with food.	
Storage Requirements:	None.	
Special Shipping Information:	Alcohols exempt per TDG Regulations Part 2.6(b).	

SECTION 8 - FIRST AID MEASURES

Eye Contact: If splashed in eyes, flush thoroughly with water. If irritation persists, call a physician.
Skin Contact: If splashed on skin, flush thoroughly with water. If irritation persists, call a physician.
Ingestion: If swallowed, do not induce vomiting. Give one cup of milk or water. Never give anything by mouth to an unconscious person. Call a physician or poison control centre immediately.
Inhalation: Remove to fresh air. If breathing problems develop, call a physician.

SECTION 9 - PREPARATION DATE OF MSDS

Prepared by (group, department, etc.) Clorox Services Company	Phone Number: 1-925-847-6100	Date: March 1, 2002	V1
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N. Av. = Not available.