

MATERIAL SAFETY DATA SHEET

OSTREM CHEMICAL CO. LTD.
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Date completed: Oct. 1, 2008

PRODUCT NAME: P-250 LIQUID PINE DISINFECTANT
OTHER NAME: LIQUID PINE DISINFECTANT
DISTRIBUTED BY: HOTEL EQUIPMENT & SUPPLY CO. LTD

CODE: J466

WHMIS CLASSIFICATION: Not Controlled (PCP No. 14297)
TDG CLASSIFICATION: Not Regulated

HAZARDOUS INGREDIENTS	%WT/WT	CAS NO.	TOXICITY DATA (LD₅₀ & LC₅₀)
Ortho-Benzyl-para-Chlorophenol	3.75	120-32-1	LC ₅₀ Inhalation(rat) 2.5 mg/L LD ₅₀ Oral (rat) 1700 mg/kg
Pine Oil	2.5	8002-09-3	LD ₅₀ Oral (rat) 3.2 g/kg
Isopropyl Alcohol	10.0	67-63-0	LD ₅₀ Oral (rat) 5840 mg/kg ACGIH TLV - 400 ppm Human Lethal Dose = 250 ml
Methanol	10.0	67-56-1	LD ₅₀ Oral (rat) 5628 mg/kg ACGIH TLV - 200 ppm LD _{LO} - 340 mg/kg

PHYSICAL DATA FOR PRODUCT

Physical State: Liquid
Boiling Point: 100°C
Vapour Density: N/A
Freezing Point: 0°C
Solubility in Water: 100%
Appearance & Odour: Amber, semi-viscous liquid with pine odour.

Sp. Gravity: 0.9924
Vapour Pressure: N/A
Evaporation Rate: Not Available

pH: Neutral

FIRE AND EXPLOSION DATA FOR PRODUCT

Flash Point (Test Method): N/A
Flammable Limits in Air, % by vol. Lower: None Upper: N/A
Fire Extinguishing Substances: () Water Fog (X) Foam (X) CO₂ () Dry Chem () Other:
Hazardous Combustion Products: See Hazardous Decomposition Products.
Special Firefighting Procedures: Wear self-contained breathing apparatus.

REACTIVITY DATA FOR PRODUCT

Incompatibility: () Water (X) Oxidizing Material () Acid () Base () Other:
Hazardous Decomposition Products: Thermal decomposition may produce: Carbon dioxide, carbon monoxide, nitrous oxides, toxic gases and vapours.
Chemical Stability: Stable.

*N/A - Not applicable.

Product Name: **P-250 LIQUID PINE DISINFECTANT**

HEALTH HAZARD INFORMATION FOR PRODUCT

EMERGENCY and FIRST AID PROCEDURES

Inhalation: N/A

Ingestion: Drink milk, egg whites, gelatin solution or if these are not available drink large quantities of water. Call a physician.

Eyes: Flush with plenty of water for 15 minutes. Get medical attention.

Skin: Flush with water.

EFFECTS OF OVEREXPOSURE (Acute and Chronic)

Inhalation: None.

Ingestion: May cause mucosal damage, nausea, vomiting and diarrhea.

Eyes: Avoid contact with eyes. Will cause irritation.

Skin: Avoid prolonged contact with skin. Irritation may occur.

PREVENTIVE MEASURES

Steps to be taken upon release or spillage (including neutralizing):

Flush with water. Mop up.

Waste disposal method:

Local, provincial and federal regulations concerning health and pollution should be observed to determine approved disposal procedures.

Handling and Storage Requirements:

Keep container closed when not in use. Store away from strong oxidizers and reducing agents.

Ventilation Requirements (Local or General):

General ventilation should be sufficient.

Respiratory Protection:

Not required.

Eye Protection:

Not normally necessary. Safety glasses may be worn.

Other Protection:

Not normally necessary, rubber gloves may be worn.