



Phenokil II

Liquid Germicidal Detergent

DESCRIPTION

Phenokil II is an amber-coloured, liquid, phenolic-based germicide designed for cleaning and disinfecting all hard surfaces that are not adversely affected by water.

Phenokil II is non-corrosive in use dilutions on inanimate, hard surfaces and is effective in soft or hard water.

Phenokil II quickly kills most disease-causing bacteria and is effective against both gram positive and gram negative pathogens.

Phenokil II is excellent for use in hospitals, nursing homes, schools and in all other commercial or industrial buildings where a broad-spectrum disinfectant is required.

SPECIAL INFORMATION

Canadian DIN#: 02160412

Guarantee

Orthobenzyl parachlorophenol

2.75%

DIRECTIONS

For routine cleaning, daily damp mopping and deodorizing:

1. Dilute 12 ml of **Phenokil II** per litre of water (12 ml/liter) (1:85).
2. Allow surface to remain wet for 10 minutes, then remove excess liquid.
3. Prepare a fresh solution for each use.

For heavily soiled floors:

Use 20 to 30 ml of **Phenokil II** per litre of water (20-30 ml/liter) (1:32-1:50).

For disinfection of walls, fixtures and washrooms:

1. Dilute 12 ml of **Phenokil II** per litre of water (12 ml/liter) (1:85).
2. Allow surface to remain wet for 10 minutes, then remove excess liquid.
3. Prepare a fresh solution for each use.

At this dilution, **Phenokil II** is a registered disinfectant.

Do not use on fabrics.

PHYSICAL DATA

Appearance	Clear liquid
Color	Pale amber
Foam	Medium
Odor	Lemon
pH	12.5 – 13.5

MATERIAL SAFETY DATA SHEET

SECTION 1 – PRODUCT/MANUFACTURER'S IDENTITY

Product Name: **PHENOKIL II** WHMIS CODE: N/A
Product Use: *Liquid germicide detergent.* Proper Shipping Name: N/A
Canada DIN 02160412 Hazard Class: N/A
UN Number: N/A

HMIS	
3	Health
1	Flammability
0	Reactivity
B	Personal

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Phone: (604) 526-5655

EMERGENCY PHONE
Canada: Canutec 613-996-6666
U.S.A.: Chemtrec 800-424-9300

A=Goggles, B=Goggles & Gloves
C=Goggles, Gloves and Apron

ABBREVIATION KEY: N/A=Not Applicable, N/E=Not Established, N/D=Not Determined, > =Greater Than

SECTION 2 – HAZARDOUS INGREDIENTS INFORMATION

INGREDIENT	CAS NO.	RANGE %	PEL	TLV
O-BENZYL P-CHLOROPHENOL	128-32-1	1.0-5.0	N/A	N/A
LD50 (oral rat) 1700 mg/kg				
LD50 (dermal) N/A				
LC50 (inhale rat) 2.5 mg/L				
ISOPROPYL ALCOHOL	67-63-0	1.0-5.0	N/D	400 ppm
The above item is reported per 40 CFR 372, Section 313 of Emergency Planning & Community Right-to-know Act of 1986				
LD50 (oral rat) 5045 mg/kg				
LD50 (dermal rabbit) 12,800 mg/kg				
LC50 N/D				
SODIUM ALKYL BENZENE SULPHONATE	42615-29-2	1.0-5.0	None	None
LD50 (oral rat) 1870 mg/kg				
LD50 (dermal) 2500 ug/24H MLD				
LC50 N/A				
Tetrasodium Salt of Ethylenediaminetetraacetic Acid	64-02-8	1.0-5.0	N/A	N/A
LD50 (oral rat) 3030 mg/kg				
LD50 (dermal rabbit) >5000 mg/kg				
LC50 >100 mg/L				

SECTION 3 – PHYSICAL DATA

Color and Odor: Light amber, light lemon scent. **Boiling Point:** N/D **Vapor Pressure (mm HG):** N/D **pH:** 13.0 +/- 0.5
Physical State: Liquid. **Melting Point:** N/A **Vapor Density:** N/D **Specific Gravity:** 1.03 @ 20°C
Coeff. Water/Oil Dist: Greater than 1.0 **Evaporation Rate:** N/D **Solubility in Water:** Soluble **Odor Threshold:** No Data

SECTION 4 – FIRE AND EXPLOSION HAZARD DATA

Flash Point and Method: 43°C (109.4°F), combustible liquid, WHMIS class B3. **Sensitivity to Mechanical Impact:** None.
Extinguishing Media: Water, dry chemical, foam or carbon dioxide. **Flammable Limits:** None known.
Sensitivity to Static Discharge: None. **Conditions of Flammability:** None.
Hazardous Combustion Products: Carbon oxides and other irritating vapors. **Auto ignition Temperature:** None known.
Unusual Fire and Explosion Hazards: Vapor heavier than air may collect in low areas where ventilation is poor, may form flammable mixtures with air at or above the flash point.
Special Fire Fighting: Wear full protective equipment, including a NIOSH/MSHA approved, self-contained breathing apparatus (SCBA) for large fires. For small fires, which may be easily extinguished by a portable fire extinguisher, the use of SCBA is optional. Use water spray to cool all nearby fire exposed areas.

SECTION 5 – REACTIVITY DATA

Chemical Stability: Stable under normal storage conditions. **Hazardous Polymerization:** Will not Occur.
Incompatibility (material to avoid): Strong oxidizing, reducing agents, and acids.
Hazardous Decomposition Products: May liberate carbon oxides upon thermal decomposition.

SECTION 6 – TOXICOLOGICAL DATA

Exposure Limits: See Section 2 under Hazardous Ingredient. **Routes of Entry:** Skin, eyes, inhalation.
Irritation of Product: Irritating to skin, eyes and respiratory system. **Carcinogenicity:** None known.
Sensitization: None known. **Mutagenicity:** None known.
Name of Toxicological Synergistic Product: None known. **Reproductive Toxicity:** None known.
Teratogenicity: None known.
Effects of Chronic Exposure: Prolonged or repeated exposure may cause severe skin irritation, dryness or dermatitis.
Effects of Acute Exposure to Product: Exposure may cause skin and eye irritation. Inhalation of vapors or mist may irritate respiratory tract causing headaches, nausea, central nervous system effects, etc. Ingestion may cause gastro-intestinal discomfort, and symptoms similar to inhalation.

SECTION 7 – PREVENTATIVE AND CONTROL MEASURES

Respiratory Protection: Use a NIOSH/MSHA approved dust/mist respirator if product is misted/sprayed in confined area or for > 5-10 minutes use.
Ventilation: Good general ventilation or local exhaust ventilation for spraying and misting in confined areas.
Protective Gloves: Natural or butyl rubber, nitrile or neoprene gloves.
Eye Protection: Chemical goggles, safety goggles or face shield.
Protective Clothing and Equipment: Long sleeve coveralls. Eye wash recommended in the immediate work area.
Storage and Handling Procedures: Use good industrial hygiene. Do not get in eyes. Avoid contact with skin and clothing. Avoid breathing sprays or mists. Store in a cool, dry place away from incompatibles. Keep container closed when not in use. Do not mix with any other chemicals. Store at temperatures below 30°C (86°F) and keep from freezing.
Disposal Procedures for Spills or Leaks: Wear protective equipment. Dike and contain large spills. Pump spills into an approved waste container. For small spills, soak up with a suitable absorbent such as clay, soil or commercially available absorbents, and then dispose of into an approved waste container. Keep away from sewers and out of natural waters.
Waste Disposal Method: Reuse if possible, or otherwise dispose recovered material in accordance with all local, Provincial or Federal Regulations.
Special Shipping Information: Store at temperatures below 30°C (86°F) and keep from freezing.

SECTION 8 – EMERGENCY FIRST AID PROCEDURES

First Aid:
If swallowed, give plenty of clean water to drink to dilute product. Do not induce vomiting. Call a Physician. In case of contact with eyes, flush with clean water for 15 minutes. Get medical attention. For contact with skin, wash with clean water and rinse well. If irritation occurs or persists, get medical attention.

PREPARATION DATA

PREPARED BY: Technical Service / Regulatory Division

PHONE: 604-526-5655

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THE INFORMATION PROVIDED IN THIS MATERIAL SAFETY DATA SHEET HAS BEEN OBTAINED FROM CURRENT SOURCES AND IS BELIEVED TO BE RELIABLE