

# Material Safety Data Sheet

## Pathex™ Disinfectant Solution for Dental Instruments and Devices

**Product Number Prefix: PATH**

**Certol®**  
International

6120 East 58th Avenue  
Commerce City, CO 80022  
Office (303) 799-9401  
Fax (303) 799-9408  
Toll-free (800) 843-3343  
www.Certol.com  
24-Hour Emergency Telephone  
INFOTRAC: 1-800-535-5053  
Importé au Canada par/Imported to Canada by:  
Trans Canada Distribution Inc.  
Mississauga, ON L5L 5Y7

ISSUE DATE: July 2010 (Supersedes: April 2007)

Certol International, LLC urges each recipient of the MSDS to read it carefully to understand the hazards associated with the product. The reader should consider consulting reference works or individuals who are experts in ventilation, toxicology and fire prevention, as needed to understand the data in the MSDS.

To promote safe handling, each recipient of the MSDS should: (1) notify anyone using the material of the MSDS information regarding hazards or safety; (2) furnish the MSDS information to customers purchasing the product; and (3) request the customers furnish MSDS information to all users.

### Emergency and First Aid Procedures

**Swallowing:** Rinse mouth and throat thoroughly with tap water. Drink large amounts of water. DO NOT induce vomiting. Do not give anything by mouth to an unconscious or convulsing person. Seek medical attention immediately.

**Skin Contact:** Wash skin with flowing water or shower. If irritation persists, seek medical attention.

**Inhalation:** Remove the affected victim from exposure. Administer artificial respiration if breathing stopped. Seek medical attention immediately.

**Eye Contact:** Flush eyes with water for 15 minutes. If irritation persists, seek medical attention.

#### 1. Identification

**Product Name:** Pathex  
**Chemical Name:** Blend

#### 2. Hazards

PRINCIPAL HAZARDOUS COMPONENTS	CAS #
O-Phenylphenol (OPP)	90-43-7
O-Benzyl-P-Chlorophenol (OBCP)	120-32-1
Isopropyl Alcohol (IPA)	67-63-0

#### 3. Physical Data

**Appearance:** Natural color  
**Odor:** Alcohol, phenol, and lemon  
**Solubility In Water by Wt.:** 100%  
**Boiling Point:** 188°F (87°C)  
**Freezing Point:** Below 32°F (0°C)  
**Vapor Density:** N/A  
**Evaporation Rate (BuAc = 1):** <1  
**Specific Gravity (H<sub>2</sub>O = 1):** 0.997 @ 68°F (20°C)  
**pH:** 9.5 - 10.5 @ 68°F (20°C)

#### 4. Fire and Explosion Hazard

**Flash Point:** 80°F (27°C)  
**Flammable Limits In Air:** Not detected  
**Special Fire Fighting Procedures:** Wear self-contained breathing apparatus and protective equipment.  
**Unusual Fire And Explosion Hazards:** None  
**Extinguishing Media:** CO<sub>2</sub>, dry foam, dry chemical and water

#### 5. Health Hazard Data

COMPONENT	%	OSHA/ PEL	ACGIH/ TLV	LD <sub>50</sub> (Dermal Rat)	LD <sub>50</sub> (Oral Rat)
O-Phenylphenol	9%	N/A	N/A	> 5g/kg	2.7g/kg
O-Benzyl-P-Chlorophenol	1%	N/A	N/A	> 2.5g/kg	5g/kg
Isopropyl Alcohol	26%	400 ppm	400 ppm	N/A	N/A

#### Effect of Overexposure:

**Swallowing:** Burning of the mouth, throat and digestive tract  
**Skin Contact:** May cause mild irritation  
**Inhalation:** May cause mild irritation  
**Eye Contact:** May cause corneal injury or burn

## 6. Reactivity Data

**Stability:** Stable at normal conditions

**Conditions To Avoid:** Direct sunlight, excessive heat and cold below 45°F (7°C)

**Incompatibility (Materials To Avoid):** Acids, oxidizing and reducing materials

**Hazardous Combustion or Decomposition Products:**

CO, CO<sub>2</sub> and other potentially hazardous fumes

**Hazardous Polymerization:** Will not occur

## 7. Spills or Leak Procedures

**Steps To Be Taken If Material Is Released or Spilled:**

Absorb on clay, sawdust, or other absorbent

**Waste Disposal Method:** Dispose according to all local, state, and federal regulations.

## 8. Handling and Storage

Store closed container in a cool, dry, well-ventilated place away from incompatible materials. Do not store below 45°F (7°C) or above 104°F (40°C). Keep out of reach of children.

## 9. Special Protection Information

**Respiratory Protection:** Not normally required. A mask or respirator may be used if vapor concentration is high.

**Ventilation:** Local exhaust or normal facility ventilation

**Protective Gloves:** Water resistant gloves

**Eye Protection:** Safety goggles/face shield

**Protective Clothing:** Where contact may occur, wear protective clothing.

**Other Protective Equipment:** An eyewash station should be nearby and ready for use.

## 10. Regulation Information

**Status On Substance List:**

**IARC:** Does not list o-phenylphenol as a carcinogen.

**NTP:** Does not list o-phenylphenol as a carcinogen.

**OSHA:** Does not list o-phenylphenol as a carcinogen.

**California:** Prop 65 Warning - This product contains o-phenylphenol, a chemical known to the state of California to cause cancer.

**Federal EPA:** 46851-1

**Canada DIN:** 01933663

**State Right-to-Know:**

SARA Section 311/312/313 OPP, OBCP

SARA Section 311/312 IPA

## 11. Transportation Data

**Proper Shipping Name:** Flammable liquids, (contains: isopropyl alcohol)

**D.O.T.:** n.o.s. Class 3, UN 1993, PG III.

## CHEMICAL WARNING LABELS

Required on containers, tubs, and bottles, which are filled from original containers with potentially hazardous substances.

Hazard rating corresponding to the NFPA Rating System.

- 4 - Extreme**
- 3 - High**
- 2 - Moderate**
- 1 - Slight**
- 0 - Insignificant**

### NFPA HAZARD RATING

**HEALTH: 2**

**FLAMMABILITY: 1**

**REACTIVITY: 0**

## Chemical Warning Label - Certol International, LLC

Pathex™

No wall reference is necessary.

**Product Name:** Pathex™

**Hazardous Chemicals:** o-phenylphenol, o-benzyl-p-chlorophenol, isopropyl alcohol

**Personal Protection:** Gloves, goggles and face shield

<u>ROUTE OF ENTRY</u>	<u>HEALTH HAZARD</u>	<u>FIRE HAZARD</u>
<input checked="" type="checkbox"/> Inhalation	<input checked="" type="checkbox"/> Irritant	<input type="checkbox"/> Below 73°F (23°C)
<input checked="" type="checkbox"/> Ingestion	<input type="checkbox"/> Carcinogen	<input checked="" type="checkbox"/> Below 100°F (38°C)
<input checked="" type="checkbox"/> Skin/eye absorption	<input type="checkbox"/> Toxic	<input type="checkbox"/> Above 100°F (38°C) & not > 200°F (93°C)
	<input type="checkbox"/> Sensitizer	<input type="checkbox"/> Above 200°F (93°C)
	<input type="checkbox"/> Normal Material	<input type="checkbox"/> Will not burn
<u>TARGET ORGAN EFFECTS</u>	<u>PHYSICAL HAZARD</u>	<u>REACTIVITY</u>
<input checked="" type="checkbox"/> Respiratory	<input type="checkbox"/> Oxidizer	<input type="checkbox"/> May detonate
<input type="checkbox"/> Heart	<input type="checkbox"/> Acid	<input type="checkbox"/> Shock and heat may detonate
<input type="checkbox"/> Kidney	<input type="checkbox"/> Alkali	<input type="checkbox"/> Violent chemical change
<input checked="" type="checkbox"/> Eyes	<input checked="" type="checkbox"/> Corrosive	<input type="checkbox"/> Unstable if heated
<input checked="" type="checkbox"/> Skin	<input type="checkbox"/> Use no water	<input checked="" type="checkbox"/> Stable
<input type="checkbox"/> Prostate	<input type="checkbox"/> Radioactive	
<input type="checkbox"/> Blood		
<input type="checkbox"/> Liver		
<input type="checkbox"/> CNS		
<input type="checkbox"/> Other		

The information contained herein is furnished without warranty or legal responsibility of any kind. Employers should use this information only as a supplement to other information gathered by them and must make independent determination of suitability and completeness of information from all sources to assure proper use of these materials and the safety and health of employees.