

 **BIOTROL™**  
**S A F E T Y   D A T A   S H E E T**

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**SECTION I: Identification**

**Product Identifier:**

**Product Name:** Birex® Plus™ Wipes

**Part/Item Number:** BP240

**Recommended Use of the Substance or Mixture and Restrictions on Use:**

**Recommended Use:** Disinfectant Towelettes

**Restrictions on Use:** For professional use only

**Details of the Supplier:**

**Distributed by:** Biotrol  
13705 Shoreline Court East  
Earth City, MO 63045  
1.800.325.1881

**Emergency Phone Number:**

**Infotrac:**

**24-Hour Number-** (U.S.) 1-800-535-5053

**Outside U.S.-** 352-323-3500

**SECTION II: Hazard(s) Identification**

**Classification of the Substance or Mixture:**

Health Hazard	Physical Hazard
Specific Target Organ Toxicity (Single Exposure) Category 3	Not Applicable
Serious Eye Damage / Eye Irritation Category 2B	Not Applicable

**Label Elements:**

**Hazard Symbol:**



**Signal Word:**

**GHS –** Warning

**EPA –** Caution

**Hazard Statement(s):**

Causes eye irritation.

May cause respiratory irritation.  
May cause drowsiness or dizziness.

**Precautionary Statement(s):**

**Prevention** – Do not handle until all safety precautions have been read and understood.

Use personal protective equipment as required. Do not breathe dust/fumes/gas/mist/vapors/spray.

**Response** – **IF INHALED:** Remove victim to fresh air and keep at rest in a position comfortable for breathing. If not

breathing, give artificial respiration. Immediately call a Poison Control Center or doctor/physician. **IF SWALLOWED:**

Rinse mouth and drink plenty of water. Do not induce vomiting. Never give anything by mouth to a person who is

unconscious or convulsing. Call a physician or Poison Control Center immediately. **IF IN EYES:** Immediately flush with

plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. If

irritation persists seek medical attention. **IF ON SKIN (or hair):** Wash skin with flowing water or shower after use.

**Storage** – Keep container tightly closed and store in a dry, cool and well-ventilated place away from

incompatible materials. **Keep out of the reach of children and pets.**

**Disposal** – Dispose according to all local, state and federal regulations.

**Other Hazards-** Not applicable

### **SECTION III: Composition/Information on Ingredients**

Component	CAS #	WT%
o-phenylphenol	90-43-7	0.65
o-benzyl-p-chlorophenol	120-32-1	0.07
Isopropyl Alcohol	67-63-0	1 - 6

### **SECTION IV: First-Aid Measures**

**Description of First Aid Measures:**

**Inhalation** – Remove victim to fresh air and keep at rest in a position comfortable for breathing. If not breathing, give artificial respiration. Call a physician or Poison Control Center immediately.

**Eye contact** – Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. If irritation persists seek medical attention.

**Ingestion** – Rinse mouth and drink plenty of water. Do not induce vomiting. Never give anything by mouth to a person who is unconscious or convulsing. Call a physician or Poison Control Center immediately.

**Skin contact** – Wash skin with flowing water or shower after use.

**Most Important Symptoms and Effects, Acute and Delayed:** May cause eye irritation. Inhalation may cause respiratory tract irritation. Ingestion may cause mild irritation of the mouth, esophagus and stomach.

**Indication of Any Immediate Medical Attention and Special Treatment Needed:** Note to physicians - Treat symptomatically.

### **SECTION V: Firefighting Measures**

**Extinguishing media:** Use water, CO<sub>2</sub>, dry chemical or foam for extinction.

**Special Hazards Arising from the Substance or Mixture:** None Known

**Advice for Fire-Fighters:** As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

### **SECTION VI: Accidental Release Measures**

**Personal Precautions, Protective Equipment, and Emergency Procedures:**

**Personal Precautions** – Use personal protective equipment as recommended in section 8. The wet, contaminated surface may be slippery.

**For Emergency Responders** - Restrict access to spill area. Ventilate the area.

**Environmental Precautions** - Prevent entry into waterways, sewers, basements or confined areas. See Section 12 for additional ecological information.

**Methods and Materials for Containment and Cleaning Up:** Prevent further leakage or spillage if safe to do so. Absorb with inert material. Shovel or sweep spills. Flush remainder with plenty of water.

**SECTION VII: Handling and Storage**

**Precautions for Safe Handling:** Handle in accordance with good industrial hygiene and safety practice.

Use personal protection recommended in Section 8. **Keep out of the reach of children and pets.**

**Conditions for Safe Storage, Including Any Incompatibilities:**

**Storage Conditions-** Keep container tightly closed and store in a dry, cool and well-ventilated place away from incompatible materials. Do not store below 45°F (7°C). Do not store above 80°F (27°C). **Keep out of the reach of children and pets.**

**Incompatible Materials** - Acids, oxidizing agents, and reducing agents

**SECTION VIII: Exposure Controls/Personal Protection****Control Parameters:**

Occupational Exposure Limits:		
Component	OSHA PEL	ACGIH TLV
Isopropyl Alcohol 67-63-0	TWA: 400 ppm TWA: 980mg/m3 TWA: 400 ppm (Vacated) TWA: 980 mg/m3 (Vacated) STEL: 500 ppm (Vacated) STEL: 1225 mg/m3 (Vacated)	STEL: 400 ppm TWA: 200 ppm

**Exposure Controls:**

**Appropriate Engineering Controls** - Apply technical measures to comply with the occupational exposure limits. Eyewash stations.

**Individual Protection Measures (PPE)** – Eye/Face Protection: Wear goggles, chemical safety glasses or a face protection shield. Skin and Body Protection: Chemical resistant, impermeable gloves are not required. Respiratory Protection: Under normal conditions a respirator is not normally required. A mask or respirator may be used if vapor concentration is high. General Hygiene Considerations: Handle in accordance with good industrial hygiene and safety practices.

**SECTION IX: Physical and Chemical Properties**

Information on Physical and Chemical Properties:	
Appearance:	Natural Colored Pre-moistened Towelettes.
Odor:	Lemon
pH:	11.0 - 12.0
Melting point/freezing point:	< 32°F / < 0°C
Initial boiling point and boiling range:	212°F / 100°C (Approximate)
Flash point:	Not flammable
Evaporation rate (Butyl Acetate =1):	< 1 (Approximate)
Flammability (solid, gas):	N/A-Liquid
Flammability limits in air:	Not Flammable

<b>Vapor pressure:</b>	Not determined
<b>Vapor density (Air = 1):</b>	> 1 (Approximate)
<b>Solubilit(ies):</b>	Completely Soluble
<b>Partition coefficient: n-octano/water</b>	See Section 12
<b>Auto-ignition temperature:</b>	Not flammable
<b>Decomposition temperature:</b>	Not determined
<b>Viscosity:</b>	Not determined
<b>Specific gravity (Water = 1):</b>	0.99
<b>Explosive properties:</b>	Not explosive
<b>Oxidizing properties:</b>	Not determined

## **SECTION X: Stability and Reactivity**

**Reactivity:** Not reactive under normal conditions.

**Chemical Stability:** Stable under recommended storage conditions.

**Possibility of hazardous reactions:** None under normal processing.

**Hazardous Polymerization:** Hazardous polymerization will not occur.

**Conditions to avoid:** Avoid direct sunlight. Avoid temperatures below 45°F / 7°C. Avoid temperatures above 80°F / 27°C.

**Incompatible materials:** Acids, oxidizing agents, and reducing agents

**Hazardous decomposition products:** None known

## **SECTION XI: Toxicological Information**

### **Potential Health Effects:**

**Inhalation** - Avoid breathing vapors or mists.

**Eye Contact** – Avoid contact with eyes.

**Ingestion** - Do not taste or swallow.

### **Acute Toxicity Data:**

**Isopropyl Alcohol** - LD50 (oral rat) 4396 mg/kg; LD50 (dermal rat) 12800 mg/kg; LC50 (inhalation rat 4 hr.) 72.6 mg/L

**Carcinogenicity:** The product as a whole has not been tested. IARC has determined that o-phenylphenol is not carcinogenic to humans (Group 3). ACGIH, OSHA, and NTP do not list o-phenylphenol as a carcinogen. IARC has determined that isopropyl alcohol is not carcinogenic to humans (Group 3). OSHA and NTP do not list isopropyl alcohol as a carcinogen. ACGIH lists isopropyl alcohol as A4 – not classifiable as a human carcinogen.

## **SECTION XII: Ecological Information**

An environmental hazard cannot be excluded in the event of unprofessional handling or disposal. Harmful to aquatic organisms.

### **Toxicity:**

**Isopropyl Alcohol** – Known toxin to algae/aquatic plants, fish, and crustacea. There is no information regarding the toxicity to microorganisms.

**o-phenylphenol** - Known toxin to algae/aquatic plants, fish, microorganisms, and crustacea.

**Persistence and Degradability:** Not determined

**Bio-accumulative potential:** Not determined

### **Mobility in Soil:**

**Isopropyl Alcohol** – Partition Coefficient: 0.05

**o-phenylphenol** - Partition Coefficient: 3.09

**Other Adverse Effects:** Not determined

### **SECTION XIII: Disposal Considerations**

**Disposal of Wastes:**

Dispose according to all local, state and federal regulations.

**Isopropyl Alcohol** - California Hazardous Waste Status: Toxic/Ignitable

**Disposal of Packaging:** Dispose according to all local, state and federal regulations.

### **SECTION XIV: Transport Information**

**DOT:** Not regulated

**IATA:** Not regulated

**IMDG:** Not regulated

### **SECTION XV: Regulatory Information**

**US State Regulations:**

**California Proposition 65** – This product contains o-phenylphenol.

NOTE: In a letter dated September 10, 2008, from Lanxess, Certol International, LLC's Supplier of 2-phenylphenol (OPP), Lanxess Stated: "As none of the organizations/programs below have 2-phenylphenol (OPP) listed as a carcinogen, we do not see the legal authority to have 2-phenylphenol (OPP) listed under Proposition 65 in the State of California. National Toxicology Program (NTP); International Agency for Research on Cancer (IARC); Occupational Safety and Health Administration (OSHA); Environmental Protection Agency (EPA)."

<b>US State Right-to-Know Regulations</b>			
<b>Chemical Name</b>	<b>New Jersey</b>	<b>Massachusetts</b>	<b>Pennsylvania</b>
Isopropyl Alcohol	X	X	X
o-phenylphenol	X	X	X

**US Federal Regulations:**

**SARA 302** - This material does not contain any chemical components with known CAS numbers that exceed the threshold reporting levels established by SARA Title III. Section 302.

**SARA 311/312** – This material does not contain any chemical components with known CAS numbers that exceed the threshold reporting levels established by SARA Title III. Section 311/312.

**SARA 313** – This material does not contain any chemical components with known CAS numbers that exceed the threshold reporting levels established by SARA Title III. Section 313.

**International Regulations:** Not determined

### **SECTION XVI: Other Information**

**NFPA Rating:**

**Health Hazards** 1

**Flammability** 0

**Instability** 0

**Special Hazards** Not determined

**HMIS:**

**Health Hazards** Not determined

**Flammability** Not determined

**Physical Hazards** Not determined

**Personal Protection** Not determined

**Issue Date:** 19 February 2015

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