

SAFETY DATA SHEET

Product Name: BioSentry® BioPhene™ 20 Disinfectant
Issue Date: June 1st, 2015
Replaces: New Issue
SDS Number: HAC0009 - BZL

1. PRODUCT IDENTIFICATION

Product Name: **BioSentry® BioPhene™ 20 Disinfectant**
Product Number(s): D12709568-BZL, D12695607-BZL
Use: Disinfectant
Manufacturer: Haviland Products Company
Grand Rapids, MI
USA
Manufacturer Phone: 1-920-326-5141
Distributor: Neogen Corporation – Animal Safety
944 Nandino Boulevard
Lexington, KY 40511
Distributor Phone: 1-800-477-8201
Emergency Phone: Medical: 1-651-523-0318
Spill: 1-703-527-3887

2. HAZARDS IDENTIFICATION

Classifications: Specific Target Organ Toxicity: Category 1B (Skin)
Carcinogenicity: Not Applicable
Specific Target Organ Toxicity: Category 1 (Eye)
Dermal: Category 4 (Acute Toxicity)
Oral: Category 4 (Acute Toxicity)
Flammable Liquids: Category 3

Signal Word (EPA): DANGER

Signal Word (OSHA): WARNING

Hazard Statements: Flammable liquid and vapor.
Harmful if swallowed or in contact with skin.
Causes severe skin burns and eye damage.
Causes serious eye damage.



Hazard Symbols:

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Precautionary Statements: Keep away from heat/sparks/open flames/hot surfaces.
NO SMOKING
Obtain special instructions before use.
Do not handle until all safety precautions have been read and understood.
Wash hands and face thoroughly after handling.
Do not eat, drink or smoke when using this product.
Use only outdoors or in a well-ventilated area.
Wear protective gloves, protective clothing, eye protection.
If on skin: Wash with plenty of soap and water.
If inhaled: Remove person to fresh air and keep comfortable for breathing.
If exposed or concerned: Get medical advice/attention.
Call a poison control center, doctor or 1-651-523-0318 (Prosar) if you feel unwell.
Take off immediately all contaminated clothing and wash it before reuse.
Store locked up.
Dispose of contents and container in accordance with local regulations.

Other Hazard Statements: This product presents no significant hazards under normal conditions of use.

3. COMPOSITION/INFORMATION ON INGREDIENTS

<u>Chemical Name</u>	<u>Common Name</u>	<u>CAS Number</u>	<u>Concentration</u>
o-phenyl phenol	o-phenyl phenol	90-43-7	7.96%
o-Benzyl-P-Chlorophenol	o-Benzyl-P-Chlorophenol	120-32-1	10.00%
P-Tert-Amylphenol	P-Tert-Amylphenol	80-46-6	1.98%
Isopropyl Alcohol, 99%	Isopropyl Alcohol, 99%	67-63-0	13.30%
Sodium Hydroxide, 50%	Sodium Hydroxide, 50%	1310-73-2	4.50%

Ingredients not precisely identified are proprietary or non-hazardous. Values are not product specifications.

4. FIRST AID MEASURES

Have the product container, label, or Material Safety Data Sheet with you when calling 800-498-5743, a poison control center or doctor, or going for treatment.

Ingestion: If swallowed: Call 1-651-523-0318, a poison control center or doctor immediately for treatment advice. Have the person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so after calling 1-651-523-0318 or by a poison control center or doctor. Do not give anything by mouth to an unconscious person.

Eye Contact: If in eyes: Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after 5 minutes, then continue rinsing eye. Call 1-651-523-0318, a poison control center or doctor for treatment advice.

Skin Contact: If on skin or clothing: Take off contaminated clothing. Wash skin with soap and water.

Inhalation: Not applicable.

Most Important Symptoms/Effects:

This product may be severely irritating to the eyes with tearing, pain or blurred vision. Prolonged or repeated contact is corrosive to the eyes, with corneal damage possible. Causes irritation and/or defatting of the skin with itching, redness or rash.

Indication of immediate medical attention and special treatment needed:

Not Available.

Further information is available from the Prosar Emergency Number (1-651-523-0318) provided in this documents.

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5. FIRE FIGHTING MEASURES

Suitable (and unsuitable) extinguishing media:

Use dry chemical, foam or CO₂ extinguishing media. If water is to be used to fight fire, dike and collect run-off.

Specific Hazards:

During a fire, irritating and possible toxic gases may be generated by thermal decomposition of combustion.

Special protective equipment and precautions for firefighters:

Wear full protective clothing and self-contained breathing apparatus. Evacuate nonessential personnel from the area to prevent human exposure to fire, smoke, fumes or product of combustion.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures:

Follow exposure controls/personal protection outlined in Section 8.

Methods and materials for containment and cleaning up:

Control the spill at its source. Clean up spills immediately, observing precautions outlines in Section 8. Sweep up material and place in a compatible disposal container. Once all material is collected, seal container and arrange for disposition.

7. HANDLING AND STORAGE

Precautions for safe handling:

Store the material in a well-ventilated, secure rea out of reach of children and domestic animals. Do not store food, beverages or tobacco products in the storage area. Prevent eating, drinking, tobacco use and cosmetic application in areas where there is a potential for exposure to the material. Wash thoroughly with soap and water after handling.

Conditions for safe storage, including any incompatibilities:

Store locked up.

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8. EXPOSURE CONTROLS/PERSONAL PROTECTION

THE FOLLOWING RECOMMENDATIONS FOR EXPOSURE CONTROLS/PERSONAL PROTECTION ARE INTENDED FOR THE MANUFACTURE, FORMULATION, PACKAGING, AND USE OF THIS PRODUCT.

FOR COMMERCIAL APPLICATIONS AND/OR ON-FARM APPLICATIONS CONSULT THE PRODUCT LABEL.

Occupational Exposure Limit

<u>Chemical Name</u>	<u>OSHA PEL</u>	<u>ACGIH TLV</u>	<u>OTHER</u>	<u>SOURCE</u>
o-phenyl phenol	Not Established	Not Established	Not Established	Not Applicable
o-Benzyl-P-Chlorophenol	1000 ppm TWA	1000 ppm TWA	Not Established	Not Applicable
P-Tert-Amylphenol	Not Established	Not Established	Not Established	Not Applicable
Isopropyl Alcohol, 99%	400 ppm (8-hr TWA)	200 ppm (TWA) 400 ppm (STEL)	Not Established	Not Applicable
Sodium Hydroxide, 50%	2 g/m ³ (8-hr TWA)	Ceiling 2 g/m ³	Not Established	Not Applicable

Ingestion: Prevent eating, drinking, tobacco usage and cosmetic application in areas where there is a potential for exposure to the material. Wash thoroughly with soap and water after handling.

Eye Contact: Eye protection is not required for normal handling. Where eye contact is likely, wear tight-fitting chemical goggles.

Skin Contact: Gloves are not required for normal handling. Where heavy contact is likely, wear chemical resistant (such as nitrile or butyl) gloves.

Inhalation: Respiratory protection is not required for normal handling. In the event of an unusual dust exposure, use engineering controls or a NIOSH-approved particulate respirator (N, P, R, or HE filter) to keep exposure below the Occupational Exposure Limit.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Dark amber, viscous liquid
Odor:	Alcohol
pH:	12-13
Melting Point:	Not Available
Freezing Point:	Not Available
Boiling Point and Boiling Range:	100°F
Flash Point (Test Method):	Not Available
Flammable Limits (% in air):	Not Available
Flammability:	Not Available
Vapor Pressure:	Not Available
Vapor Density:	1.06 g/ml (water=1)
Relative Density:	Not Available
Solubility (ies):	Soluble
Partition Coefficient:	Not Available
Viscosity:	Not Available
Other:	Not Available

10. STABILTY AND REACTIVITY

Reactivity:	Not reactive
Chemical Stability:	Stable under normal use and storage conditions
Possible Hazardous Reactions:	Will not occur
Conditions to Avoid:	Keep away from sparks, heat and flame.
Incompatible Materials:	Incompatible with strong oxidants and cationic detergents.
Hazardous Decomposition Products:	None known

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11. TOXICOLOGICAL INFORMATION

Health Effects Information

Likely routes of exposure: Dermal, inhalation, eyes, ingestion

Symptoms of exposure: Not Available

Delayed, immediate and chronic effects of exposure: Not Available

Numerical Measures of Toxicity (Acute Toxicity/Irritation Studies – Finished Product)

Ingestion: Oral LD₅₀ (Rat): Not Available

Dermal: Dermal LD₅₀ (Rabbit): Not Available

Inhalation: Inhalation LC₅₀ (Rat): <1 mg/kg body weight

Eye Contact: This product may be severely irritating to the eyes with tearing, pain or blurred vision. Prolonged or repeated contact is corrosive to the eyes, with corneal damage possible.

Skin Contact: Causes irritation and/or defatting of the skin with itching, redness or rash. skin.

Skin Sensitization: Not Available

Reproductive/Developmental Effects

Not Available

Chronic/Subchronic Toxicity Studies

Not Available.

Carcinogenicity

o-Benzyl-p-Chlorophenol IARC Category 2B

Other Toxicity Information

Systemically toxic concentrations of this product will probably not be absorbed through human skin.

Toxicity of Other Components

Not Applicable

Target Organs

Active Ingredients

Not Applicable

Inactive Ingredients

Not Applicable

12. ECOLOGICAL INFORMATION

Do not discharge effluent containing this product directly to water. Do not contaminate water when disposing of equipment wash water.

13. DISPOSAL CONSIDERATIONS

Disposal: Do not reuse empty container except for holding additional product.

Characteristic Waste: Not Applicable

Listed Waste: Not Applicable

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14. TRANSPORT INFORMATION

DOT Classification

Proper Shipping Name: Flammable Liquid, N.O.S.
Hazard Class: 3
UN Number: 1993
Packing Group: III
Label: Not Applicable
Special Instructions: For packing sizes 1 gallon or less: Consumer Quantity, OMR-D

IMDG Classification

Proper Shipping Name: Flammable Liquid, N.O.S.
Hazard Class: 3
UN Number: 1993
Packing Group: III
Label: Not Applicable
Special Instructions: Not Applicable

IATA Classification

Proper Shipping Name: Flammable Liquid, N.O.S.
Hazard Class: 3
UN Number: 1993
Packing Group: III
Label: Not Applicable
Special Instructions: Not Applicable

Canadian Classification

Proper Shipping Name: Flammable Liquid, N.O.S.
Hazard Class: 3
UN Number: 1993
Packing Group: III
Label: Not Applicable
Special Instructions: Not Applicable

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15. REGULATORY INFORMATION

Pesticide Registration

This chemical is a pesticide product registered by the Environmental Protection Agency and is subject to certain labeling requirements under federal pesticide law. These requirements differ from the classification criteria and hazard information required for safety data sheets and for workplace labels of non-pesticide chemicals. Following is the hazard information as required on the pesticide label.

Caution: Harmful if swallowed or absorbed through skin. Keep away from children, domestic animals and pets. Do not get in eyes, on skin or on clothing. All handlers (including applicators) must wear shoes plus socks, and gloves. Any person who retrieves carcasses or unused bait following application of this product must wear waterproof gloves.

Registration Number : 8.375 / 2002

EPA SARA Title III Classification

Section 311/312 Hazard Classes: Acute Health Hazard

Section 313 Toxic Chemicals: Not Applicable

California Proposition 65 : This material contains the following component which has been found by the State of California to cause cancer.
o-Benzyl-p-Chlorophenol

CERLA/SARA 302 Reportable Quantity (RQ) : None

RCRA Hazardous Waste Classification (40 CFR 261): Not Applicable

TSCA Status: Exempt from TSCA, subject to FIFRA

16. OTHER INFORMATION

NFPA Hazard Ratings

Health: 2
Flammability: 2
Instability: 0

HMIS Hazard Ratings

Health: 2
Flammability: 2
Reactivity: 0
Other: H

0 - Minimal
1 - Slight
2 - Moderate
3 - Serious
4 - Extreme
* - Chronic

For Non-Emergency Questions About This Product Call:

1-800-621-8829

Neogen Corporation
Lexington, KY

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