



## MATERIAL SAFETY DATA SHEET

**Hacco, Inc.**  
**110 Hopkins Drive**  
**Randolph, WI 53956**  
**(920) 326-2461**  
**(Regulatory Office)**  
**(920) 326-5141**  
**(Manufacturing Location)**

**In Case of Emergency, Call:**  
**1-800-498-5743 (U.S. Medical Emergency)**  
**1-651-523-0318 (International, Medical Emergency)**  
**1-800-424-9300 (U.S. CHEMTREC)**  
**1-703-527-3887 (International, CHEMTREC)**  
**(collect calls will be accepted on all lines)**

### 1. PRODUCT IDENTIFICATION

Product Name: **BioSentry® BioCres™ 50**  
EPA Signal Word: **DANGER**  
Chemical Name: **Sodium Cresylate**  
Chemical Class: **Cleanser**  
Registration Number: **Not Required**

**Section(s) Revised: New Issue**

### 2. COMPOSITION/INFORMATION ON INGREDIENTS

Material	OSHA PEL	ACGIH TLV	Other	NTP/IARC/OSHA Carcinogen	Percentage By Weight
Sodium Cresylate (70%) (CAS No. 34689-46-8)	Not Established	Not Established	Not Established	No	51.14%
Inert Ingredients (non-hazardous)	Not Established	Not Established	Not Established	No	48.86%

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

### 3. HAZARDS IDENTIFICATION

#### Health Effects

**Eyes:** This product may cause severe irritation with discomfort, tearing, or blurred vision, and after a few minutes eye corrosion with corneal or conjunctival ulceration.

**Skin:** This product may cause burns or ulceration. Evidence suggests that skin permeation can occur in amounts capable of producing the effects of systemic toxicity.

**Inhalation:** Inhalation of mist or vapor may cause irritation of the upper respiratory passages.

**Ingestion:** This product may cause non-specific discomfort, such as nausea, headache, convulsions, or weakness; or gastrointestinal irritation.

#### Physical Properties

Appearance: **Amber liquid**  
Odor: **Strong**

#### Unusual Fire, Explosion, and Reactivity Hazards

None known.

### 4. FIRST AID MEASURES

Have the product container, label, or Material Safety Data Sheet with you when calling a poison control center or doctor, or going for treatment. **FOR A MEDICAL EMERGENCY INVOLVING THIS PRODUCT CALL 1-800-498-5743 (U.S. Medical Emergencies) or 1-651-523-0318 (International Medical Emergencies, Collect Calls will be accepted).**

Product Name: **BIOSENTRY® BIOCRES™ 50 (Malaysia – English)**

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- Ingestion:** Call a poison control center or doctor immediately for treatment advice. Do not induce vomiting unless told to do so by the poison control center or doctor. Immediately give 2 glasses of milk or water. Do not give anything by mouth to an unconscious person.
- Eye Contact:** 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 a poison control center or doctor for treatment advice
- Skin Contact:** Take off contaminated clothing. Wash promptly with soap and water. Wash contaminated clothing before reuse. Call a poison control center or doctor for treatment advice.
- Inhalation:** Move person to fresh air. If person is not breathing, call **911** or an ambulance, and then give artificial respiration, preferably mouth-to-mouth, if possible. Call a poison control center or doctor for further treatment advice.

Notes to Physician

None.

Medical Condition Likely to be Aggravated by Exposure

None known.

## 5. FIRE FIGHTING MEASURES

Fire and Explosion

- Flash Point (Test Method): >200° F
- Flammable Limits (% in Air): Lower: % Not Applicable Upper: % Not Applicable
- Autoignition Temperature: Not Available
- Flammability: Not Flammable
- Extinguishing Media: Fog or Water Spray, Foam, Carbon Dioxide, Dry Chemical (appropriate for surrounding material)

Hazardous Decomposition Products:

Will not occur.

Unusual Fire, Explosion, and Reactivity Hazards

None known.

In Case of Fire

Evacuate personnel to a safe area. Wear self-contained breathing apparatus and full protective equipment.

## 6. ACCIDENTAL RELEASE MEASURES

In Case of Spill or Leak

Wear appropriate personal protective equipment during cleanup.

**Small Spills:** Prevent material from entering sewers, waterways, or low areas.

**Large Spills:** Dike spill. Absorb into inert material (sawdust, sand, oil dry or other absorbent material) and place in plastic or plastic-lined containers for proper disposal.

Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans or other waters unless in accordance with the requirements of a National Pollutant Discharge Elimination System (NPDES) permit and the permitting authority has been notified in writing prior to discharge. Do not discharge effluent containing this product to sewer systems without previously notifying the local sewage treatment plant authority. For guidance, contact your State Water Board or Regional Office of the EPA.

## 7. HANDLING AND STORAGE

Store the material in original container, in a secure area out of reach of children and domestic animals. Keep container tightly closed. Avoid inhalation. Do not get in eyes, on skin, or on clothing. 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. Wash clothing after use.

## 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.**

- 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: Wear coverall chemical splash goggles. Additionally, wear a face shield where the possibility exists for face contact due to splashing or spraying material.
- Skin Contact: Where there is a potential for skin contact have available and wear as appropriate impervious gloves, apron, pants, jacket, hood and boots.
- Inhalation: Use only with adequate ventilation. Wear a NIOSH/MSHA-approved pesticide respirator with an organic vapor cartridge and pesticide pre-filter.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Amber liquid
Odor:	Strong
Boiling Point:	>100° C
Specific Gravity:	1.14 g/ml (water=1)
Bulk Density:	9.5 lb/gal
pH:	11.5-12.5
Solubility in H <sub>2</sub> O:	Soluble
Vapor Pressure:	Not Established
Percent Volatile:	<5% (by volume)
Evaporation Rate:	Not Available

Note: The physical data presented here are typical values based on material tested, but may vary from sample to sample. Typical values should not be construed as a guaranteed analysis of any specific lot or as specification items.

## 10. STABILITY AND REACTIVITY

Stability:	Stable under normal use and storage conditions.
Hazardous Polymerization:	Will not occur.
Conditions to Avoid:	None known.
Materials to Avoid:	Incompatible with cationics.
Hazardous Decomposition Products:	Will not occur.

## 11. TOXICOLOGICAL INFORMATION

### Acute Toxicity/Irritation Studies

Ingestion:	<u>Acute Toxicity</u> Not Applicable
Dermal:	<u>Acute Dermal Effects</u> Not Applicable
Inhalation:	<u>Acute Inhalation Effects</u> Not Applicable
Eye Contact:	This product may cause severe irritation with discomfort, tearing, or blurred vision, and after a few minutes eye corrosion with corneal or conjunctival ulceration.
Skin Contact:	This product may cause burns or ulceration. Evidence suggests that skin permeation can occur in amounts capable of producing the effects of systemic toxicity.

### Carcinogenicity

None of the components present in this material at concentrations equal to or greater than 0.1% are listed by IARC, NTP, OSHA or ACGIH as a carcinogen.

## 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

### Container Disposal

*Plastic Containers:* Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or incineration, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.

*For containers 1 gallon or less:* Do not reuse empty container (bottle, can, bucket). Wrap container and put in trash.

### Pesticide Disposal

Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.

## 14. TRANSPORT INFORMATION

### DOT Classification (for container sizes 20 – 200 liter)

Proper Shipping Name: Deodorant or Disinfectant, NOI (MNFC 57100, SUB 3; CLASS: 60)  
Hazard Class: Not Applicable  
UN Number: Not Applicable  
Packing Group: Not Applicable  
Label: Not Applicable  
Special Instructions: Not Applicable

### DOT Classification (for container sizes 4x1 gallon)

Proper Shipping Name: Deodorant or Disinfectant, NOI (MNFC 57100, SUB 3; CLASS: 60)  
Hazard Class: Not Applicable  
UN Number: Not Applicable  
Packing Group: Not Applicable  
Label: Not Applicable  
Special Instructions: Not Applicable

### IMDG Classification (for container sizes 20 – 200 liter)

Proper Shipping Name: Deodorant or Disinfectant, NOI (MNFC 57100, SUB 3; CLASS: 60)  
Hazard Class: Not Applicable  
UN Number: Not Applicable  
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UN Number: Not Applicable  
Packing Group: Not Applicable  
Label: Not Applicable  
Special Instructions: Not Applicable

### IATA Classification (for container sizes 20 – 200 liter & 4x1 gallon)

Proper Shipping Name: Deodorant or Disinfectant, NOI (MNFC 57100, SUB 3; CLASS: 60)  
Hazard Class: Not Applicable  
UN Number: Not Applicable  
Packing Group: Not Applicable  
Label: Not Applicable  
Special Instructions: Not Applicable

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UN Number: Not Applicable  
Packing Group: Not Applicable  
Label: Not Applicable  
Special Instructions: Not Applicable

Canadian Classification (for container sizes 20 – 200 liter)

Proper Shipping Name: Deodorant or Disinfectant, NOI (MNFC 57100, SUB 3; CLASS: 60)  
Hazard Class: Not Applicable  
UN Number: Not Applicable  
Packing Group: Not Applicable  
Label: Not Applicable  
Special Instructions: Not Applicable

Canadian Classification (for container sizes 4x1 gallon)

Proper Shipping Name: Deodorant or Disinfectant, NOI (MNFC 57100, SUB 3; CLASS: 60)  
Hazard Class: Not Applicable  
UN Number: Not Applicable  
Packing Group: Not Applicable  
Label: Not Applicable  
Special Instructions: Not Applicable

**15. REGULATORY INFORMATION**

EPA SARA Title III Hazard Classification

Immediate	<u>Y</u>	Fire	<u>N</u>	Sudden Release of Pressure	<u>N</u>
Delayed	<u>N</u>	Reactive	<u>N</u>		

Section 313 Toxic Chemicals

Not Listed

California Proposition 65

Not Listed

CERCLA/SARA 302 Reportable Quantity (RQ)

Not Listed

RCRA Hazardous Waste Classification (40 CFR 261)

Not Listed

**16. OTHER INFORMATION**

NFPA Hazard Ratings

Health: 3  
Flammability: 1  
Instability: 0

HMIS Hazard Ratings

Health: 3  
Flammability: 1  
Reactivity: 0  
PPE: H

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

For Non-Emergency Questions About This Product Call:

1-800-621-8829  
Neogen Corporation  
Lexington, KY  
www.Hacco.com

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Replaces: Not Applicable  
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