

**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<sup>®</sup> Universal Barn Cleaner**  
Signal Word: **DANGER**  
Chemical Name: Not Applicable  
Chemical Class: Cleanser  
Registration Number:

Section(s) Revised: Regulatory Review

### 2. COMPOSITION/INFORMATION ON INGREDIENTS

Material	OSHA PEL	ACGIH TLV	Other	NTP/IARC/OSHA Carcinogen	Percentage By Weight
Nonylphenoxy Polyethoxyethanol (CAS No. 9016-45-9)	Not Established	Not Established	Not Established	No	7.39%
Ethylenediamine Tetraacetic Acid, Tetrasodium (CAS No. 64-02-8)	Not Established	Not Established	Not Established	No	3.01%

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

### 3. HAZARDS IDENTIFICATION

#### Health Effects

Eyes: This product may cause irritation with discomfort, tearing or blurred vision.  
Skin: This product may cause irritation.  
Inhalation: Single exposure by inhalation is not expected to pose a health hazard. Mists may cause irritation of upper respiratory tract.  
Ingestion: This product may be toxic.

#### Physical Properties

Appearance: Green liquid  
Odor: Sassafras

#### 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 and Canadian Medical Emergencies) or 1-651-523-0318 (International Medical Emergencies, Collect Calls will be accepted).**

- Ingestion: Call a poison control center or doctor immediately for treatment advice. Give 1-2 glasses of water immediately. Induce vomiting by touching the back of the throat with a finger or blunt object. Repeat until vomit fluid is clear. 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. Rinse skin immediately with plenty of water for 15-20 minutes. Wash contaminated clothing before reuse. Call a poison control center or doctor for treatment advice.
- Inhalation: Not likely to occur. If inhaled, 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. If breathing is difficult, give oxygen. 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):   | Not Applicable  |                         |
| 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:** 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. Do not discharge effluent containing this product to sewer systems without previously notifying the local sewage treatment plant authority. For guidance, contact your provincial authority.

## 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. Avoid contact with eyes, skin or 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 safety glasses. Where splash potential exists, wear chemical splash goggles.

Skin Contact: Wear protective gloves to minimize skin contamination. Wash hands and contaminated skin thoroughly after handling.

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:	Green liquid
Odor:	Sassafras
Boiling Point:	>100°C
Specific Gravity:	1.01 g/ml (water=1)
Bulk Density:	8.4 lb/gal
pH:	12
Solubility in H <sub>2</sub> O:	Soluble
Vapor Pressure:	Not Established
Percent Volatile:	>90% (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:	None known.
Hazardous Decomposition Products:	Will not occur.

## 11. TOXICOLOGICAL INFORMATION

### Acute Toxicity/Irritation Studies

Ingestion:	<u>Acute Toxicity</u> Not Available
Dermal:	<u>Acute Dermal Effects</u> Not Available
Inhalation:	<u>Acute Inhalation Effects</u> Not Available
Eye Contact:	This product may cause irritation with discomfort, tearing or blurred vision.
Skin Contact:	This product may cause irritation.

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 (NMFC 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 (NMFC 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 (NMFC 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 4x1 gallon)

Proper Shipping Name: Deodorant or Disinfectant, NOI (NMFC 57100, SUB 3; CLASS: 60)  
Hazard Class: Not Applicable  
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 (NMFC 57100, SUB 3; CLASS: 60)  
Hazard Class: Not Applicable  
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 (NMFC 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 20 – 200 liter)

Proper Shipping Name: Deodorant or Disinfectant, NOI (NMFC 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 (NMFC 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 Y Fire N Sudden Release of Pressure N  
Delayed N Reactive N

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: 1  
Flammability: 0  
Instability: 0

HMIS Hazard Ratings

Health: 1  
Flammability: 0  
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](http://www.Hacco.com)

Original Issue Date: September 1<sup>st</sup>, 2008

Revision Date: April 1<sup>st</sup>, 2013

Replaces: February 6<sup>th</sup>, 2012

BioSentry<sup>®</sup> is a Registered Trademark of BioSentry, Inc.; Used Under Exclusive License to Neogen Corporation.

ALTHOUGH THE INFORMATION AND RECOMMENDATIONS SET FORTH HEREIN (HEREINAFTER "INFORMATION") ARE PRESENTED IN GOOD FAITH AND BELIEVED TO BE CORRECT, HACCO, INC., THE MANUFACTURER OR THE SELLER MAKES NO REPRESENTATIONS AS TO THE COMPLETENESS OR ACCURACY THEREOF. INFORMATION IS SUPPLIED UPON THE CONDITION THAT THE PERSONS RECEIVING IT WILL MAKE THEIR OWN DETERMINATION AS TO ITS SUITABILITY FOR THEIR PURPOSES PRIOR TO USE.

THE PRODUCT COVERED BY THIS INFORMATION SHEET IS FURNISHED "AS IS" BY HACCO, INC., THE MANUFACTURER OR THE SELLER, AND IS SUBJECT ONLY TO THE WARRANTIES, IF ANY, THAT APPEAR ON THE PRODUCT'S LABEL OR ARE OTHERWISE EXPRESSLY PROVIDED HEREIN.

EXCEPT AS EXPRESSLY PROVIDED ON THE PRODUCT'S LABEL OR OTHERWISE PROVIDED HEREIN, NO WARRANTIES, GUARANTEES, OR REPRESENTATIONS OF ANY KIND, EITHER EXPRESS OR IMPLIED, OR BY USAGE OF TRADE, STATUTORY OR OTHERWISE, ARE MADE BY HACCO, INC., THE MANUFACTURER OR THE SELLER WITH REGARD TO THE PRODUCT OR USE OF THE PRODUCT, INCLUDING, BUT NOT LIMITED TO, MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, USE OR ELIGIBILITY OF THE PRODUCT FOR ANY PARTICULAR TRADE USAGE.

EXCEPT AS EXPRESSLY STATED HEREIN, HACCO, INC., THE MANUFACTURER OR THE SELLER MAKES NO WARRANTY OF RESULTS TO BE OBTAINED BY USE OF THE PRODUCT COVERED BY THIS INFORMATION. BUYER'S OR USER'S EXCLUSIVE REMEDY, AND THE TOTAL LIABILITY OF HACCO, INC., THE MANUFACTURER OR THE SELLER, SHALL BE LIMITED TO DAMAGES NOT EXCEEDING THE COST OF THE PRODUCT. NO AGENT OR EMPLOYEE OF HACCO, INC., THE MANUFACTURER OR THE SELLER IS AUTHORIZED TO AMEND THE TERMS OF THIS WARRANTY DISCLAIMER OR THE PRODUCT'S LABEL OR TO MAKE A REPRESENTATION OR RECOMMENDATION DIFFERENT FROM OR INCONSISTENT WITH THE LABEL OF THIS PRODUCT.

IN NO EVENT SHALL HACCO, INC., THE MANUFACTURER OR THE SELLER BE LIABLE FOR CONSEQUENTIAL, SPECIAL OR INDIRECT DAMAGES RESULTING FROM THE USE, HANDLING, APPLICATION, STORAGE OR DISPOSAL OF THIS PRODUCT OR FOR DAMAGES IN THE NATURE OF PENALTIES AND THE BUYER AND USER WAIVE ANY RIGHT THEY MAY HAVE TO SUCH DAMAGES.