



SAFETY DATA SHEET

according to 29 CFR 1910.1200 and GHS

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BioSentry® 904 Disinfectant

Revision 1
Revision date 2018-10-16

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product name	BioSentry® 904 Disinfectant
Product code	D12670227, D12695581, D12709557

1.2. Relevant identified uses of the substance or mixture and uses advised against

Product Use	[SU3] Industrial uses: Uses of substances as such or in preparations at industrial sites; [PC8] Biocidal products (e.g. Disinfectants, pest control);
Description	Disinfectant.

1.3. Details of the supplier of the safety data sheet

Company	Neogen Corporation
Address	620 Leshler Place Lansing MI 48912 USA
Web	www.neogen.com
Telephone	517-372-9200/800-234-5333
Email	regulatorysupport@neogen.com

1.4. Emergency telephone number

Emergency telephone number	1-800-234-5333
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Further information

Manufactured By:	HACCO, Inc. 110 Hopkins Dr. Randolph, WI 53956-1316 U.S.A.
Hotline(s):	HACCO, Inc. is a wholly-owned subsidiary of Neogen Corporation. Medical: United States (1-800-498-5743), International (1-651-523-0318). Spill/CHEMTREC: United States (1-800-424-9300), International (1-703-527-3887).

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture


2.1.2. Classification - GHS	Flam. Liq. 3: H226; Skin Corr. 1A: H314; STOT RE 2: H373; Aquatic Acute 1: H400; Aquatic Chronic 2: H411;
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2.2. Label elements

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2.2. Label elements

Hazard pictograms	
Signal Word	Danger
Hazard Statement	Flam. Liq. 3: H226 - Flammable liquid and vapour. Skin Corr. 1A: H314 - Causes severe skin burns and eye damage. STOT RE 2: H373 - May cause damage to organs through prolonged or repeated exposure . Aquatic Acute 1: H400 - Very toxic to aquatic life. Aquatic Chronic 2: H411 - Toxic to aquatic life with long lasting effects.
Precautionary Statement: Prevention	P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. P260 - Do not breathe dust/fume/gas/mist/vapours/spray.
Precautionary Statement: Response	P301+P330+P331 - IF SWALLOWED: rinse mouth. Do NOT induce vomiting. P303+P361+P353 - IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. P304+P340 - IF INHALED: Remove person to fresh air and keep comfortable for breathing. P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

2.3. Other hazards

Other hazards	No data is available on this product.
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SECTION 3: Composition/information on ingredients

3.2. Mixtures

EC 1272/2008

Chemical Name	Index No.	CAS No.	EC No.	REACH Registration Number	Conc. (%w/w)	Classification
Nonylphenoxy Polyethoxy Ethanol (Nonoxynol)		127087-87-0			1 - 10%	Acute Tox. 4: H302+H332; Eye Dam. 1: H318; Aquatic Chronic 2: H411;
Didecyldimethylammonium chloride.		7173-51-5	230-525-2		1 - 10%	Flam. Liq. 3: H226; Acute Tox. 4: H302; Skin Corr. 1B: H314; Aquatic Acute 1: H400; Aquatic Chronic 2: H411;
Quaternary ammonium compounds, benzyl-C8-18-alkyldimethyl, chlorides	612-140-00-5	63449-41-2	264-151-6		1 - 10%	Acute Tox. 4: H312; Acute Tox. 4: H302; Skin Corr. 1B: H314; Aquatic Acute 1: H400;
Quaternary ammonium compounds, benzyl C12-16 - alkyldimethyl, chlorides		68424-85-1	270-325-2		1 - 10%	Acute Tox. 4: H302+H312; Skin Corr. 1B: H314;
Citric acid		5949-29-1	201-069-1		1 - 10%	Eye Irrit. 2: H319;
Bis(tributyltin) oxide		56-35-9	200-268-0		0.5 - 1%	Acute Tox. 3: H301; Acute Tox. 3: H311; Skin Irrit. 2: H315; Eye Irrit. 2: H319; STOT RE 1: H372; Aquatic Acute 1: H400; Aquatic Chronic 1: H410;

Further information

	The exact percentage (concentration) of composition has been withheld as a trade secret.
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SECTION 4: First aid measures

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4.1. Description of first aid measures

Inhalation	In case of accident by inhalation: remove casualty to fresh air and keep at rest.
Eye contact	Rinse immediately with plenty of water for 15 minutes holding the eyelids open. Contact lenses should be removed.
Skin contact	Remove contaminated clothing. Wash off immediately with plenty of soap and water.
Ingestion	Rinse mouth thoroughly. Never give anything by mouth to an unconscious person. DO NOT INDUCE VOMITING unless advised to do so by a doctor.

4.2. Most important symptoms and effects, both acute and delayed

Inhalation	May cause irritation to respiratory system.
Eye contact	Causes severe burns. Risk of serious damage to eyes.
Skin contact	Causes severe burns.
Ingestion	Ingestion may cause nausea and vomiting. May cause irritation to mucous membranes.

4.3. Indication of any immediate medical attention and special treatment needed

Inhalation	Seek medical attention if irritation or symptoms persist.
Eye contact	Seek medical attention.
Skin contact	Seek medical attention.
Ingestion	If you feel unwell, seek medical advice (show the label where possible).

SECTION 5: Firefighting measures

5.1. Extinguishing media

	Use extinguishing media appropriate to the surrounding fire conditions.
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5.2. Special hazards arising from the substance or mixture

	Flammable liquid and vapour. Heat will increase pressure in sealed containers. Cool fire exposed containers with waterspray. Burning produces irritating, toxic and obnoxious fumes.
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5.3. Advice for firefighters

	In case of fire and/or explosion do not breathe fumes. Wear suitable respiratory equipment when necessary.
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SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

	Avoid sparks, flames, heat and sources of ignition. Avoid contact with skin and eyes. Wear suitable protective clothing and eye/face protection. Wear suitable respiratory equipment when necessary. Wash hands after handling the product. Ensure adequate ventilation of the working area.
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6.2. Environmental precautions

	Do not allow product to enter drains. Prevent further spillage if safe.
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6.3. Methods and material for containment and cleaning up

	Absorb with inert, absorbent material. Transfer to suitable, labelled containers for disposal.
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6.4. Reference to other sections

	See section 2, 8 & 13 for further information.
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SECTION 7: Handling and storage

7.1. Precautions for safe handling

	Adopt best Manual Handling considerations when handling, carrying and dispensing. Avoid contact with eyes and skin. Wear suitable protective clothing and eye/face protection. Ensure adequate ventilation of the working area.
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7.2. Conditions for safe storage, including any incompatibilities

Keep away from sources of ignition - No smoking. Keep containers tightly closed. Keep in a cool, dry, well ventilated area. Store in correctly labelled containers.

7.3. Specific end use(s)

See section 1.2 for further information.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Occupational exposure controls.

Exposure Limit Values

Sodium hydroxide	ACGIH TLV TWA: -	ACGIH TLV STEL: C 2 mg/m ³
	Notations: -	OSHA PEL 8hr TWA ppm: -
	OSHA PEL 8hr TWA mg m3: 2	Skin Designation: -
	NIOSH REL 10hr TWA ppm:	NIOSH REL 10hr TWA mg m3:
	NIOSH REL 15 min ST ppm:	NIOSH REL 15 min ST mg m3:

8.2. Exposure controls



Appropriate engineering controls

Ensure adequate ventilation of the working area.

Individual protection measures

Wear suitable protective clothing.

Eye / face protection

Wear: Approved safety goggles. Face shield.

Skin protection - Hand protection

Wear: Chemical resistant gloves.

Skin protection - Other

Wear suitable protective clothing.

Respiratory protection

In case of insufficient ventilation, wear suitable respiratory equipment.

Occupational exposure controls

Keep away from food, drink and animal feed and/ or feed products.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

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9.1. Information on basic physical and chemical properties

State	Liquid
Color	Clear
Odor	Odorless
Odour threshold	No data available
pH	13
Melting point	No data available
Freezing Point	No data available
Boiling point	No data available
Flash point	51.7 °C
Evaporation rate	No data available
Flammability limits	No data available
Vapor pressure	No data available
Vapor density	No data available
Relative density	1.007
Fat Solubility	No data available
Partition coefficient	No data available
Autoignition temperature	No data available
Viscosity	No data available
Explosive properties	No data available
Oxidising properties	No data available
Solubility	No data available

9.2. Other information

Conductivity	No data available
Surface tension	No data available
Gas group	No data available

SECTION 10: Stability and reactivity

10.1. Reactivity

	No data available.
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10.2. Chemical stability

	Stable under normal conditions.
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10.3. Possibility of hazardous reactions

	No data available.
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10.4. Conditions to avoid

	Heat, sparks and open flames. Heat will increase pressure in sealed containers.
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10.5. Incompatible materials

	Strong oxidizing agents.
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10.6. Hazardous decomposition products

	Burning produces irritating, toxic and obnoxious fumes.
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SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity	No data available.
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11.1. Information on toxicological effects

Skin corrosion/irritation	Causes severe burns.
Serious eye damage/irritation	Causes serious eye damage.
Respiratory or skin sensitisation	May cause allergic reactions in susceptible people.
Germ cell mutagenicity	No data available.
Carcinogenicity	Not found to be a potential carcinogen in the International Agency for Research on Cancer (IARC) Monographs, Volumes 1-112. Not listed in the National Toxicology Program (NTP) 13th Report on Carcinogens. Not listed in the OSHA standard 1910.1003 Carcinogens.
Reproductive toxicity	No data available.
STOT-single exposure	No data available.
STOT-repeated exposure	Causes damage to organs through prolonged or repeated exposure .
Aspiration hazard	No data available.
Repeated or prolonged exposure	May cause damage to organs through prolonged or repeated exposure .

11.1.4. Toxicological information

Propylene glycol	Oral Rat LD50: 20000 mg/kg	Dermal Rabbit LD50: 20800 mg/kg
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SECTION 12: Ecological information

12.1. Toxicity

Sodium hydroxide	Fish LC50/96h: 125.000000 mg/l	Rainbow trout LC50/96h: 45.4 mg/l
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12.2. Persistence and degradability

	No data available.
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12.3. Bioaccumulative potential

	No data available.
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Partition coefficient

	BioSentry® 904 Disinfectant No data available
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12.4. Mobility in soil

	No data available.
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12.5. Results of PBT and vPvB assessment

	No data available.
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12.6. Other adverse effects

	No data available.
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SECTION 13: Disposal considerations

13.1. Waste treatment methods

	Dispose of in compliance with all local and national regulations.
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Disposal methods

	Contact a licensed waste disposal company.
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Disposal of packaging

Do NOT reuse empty containers. Empty containers can be sent for disposal or recycling.

SECTION 14: Transport information

Hazard pictograms



14.1. UN number

UN1903

14.2. UN proper shipping name

DISINFECTANT, LIQUID, CORROSIVE, N.O.S. (Quaternary ammonium compounds)

14.3. Transport hazard class(es)

DOT	8
Subsidiary risk	-
IMDG	8
Subsidiary risk	-
IATA	8
Subsidiary risk	-

14.4. Packing group

Packing group II

14.5. Environmental hazards

Environmental hazards	Unset
Marine pollutant	Unset

14.6. Special precautions for user

No data available.

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable.

DOT

Hazard ID	80
Tunnel Category	(E)

IMDG

EmS Code	F-A S-B
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IATA

Packing Instruction (Cargo)	855
Maximum quantity	30 L
Packing Instruction (Passenger)	851
Maximum quantity	1 L

SECTION 15: Regulatory information

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15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

Regulations	<p>Hazard Communication Standard: 29 Code of Federal Regulations 1910.1200: Occupational Safety and Health Standards: Z: Toxic and Hazardous Substances: Hazard Communication.</p> <p>All chemicals in this product are TSCA listed or excluded from listing, on the United States Environmental Protection Agency Toxic Substances Control Act (TSCA) inventory. TSCA - United States Toxic Substances Control Act Section 8(b) Inventory.</p> <p>US State Regulations: New Jersey Right-to-Know Hazardous Substance List: Bis(tributyltin) oxide</p> <p>Pennsylvania Right-to-Know Hazardous Substance List: Bis(tributyltin) oxide.</p> <p>Rhode Island Right-to-Know Hazardous Substance List: Bis(tributyltin) oxide.</p>
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15.2. Chemical safety assessment

	No data is available on this product.
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Inventories

Ingredient	TSCA	MA	SARA313	CALPROP65	CWA307	CAA112	CWA311	SARA302	SARA304
Quaternary ammonium compounds, benzyl-C8-18-alkyldimethyl, chlorides	Y	N	N	N	N	N	N	N	N
Sodium hydroxide (Sodium hydroxide (Na(OH)))	Y	N	N	N	N	N	Y	N	N
Propylene glycol (1,2-Propanediol)	Y	Y	N	N	N	N	N	N	N

SECTION 16: Other information

Other information

Revision	<p>This document differs from the previous version in the following areas:.</p> <ul style="list-style-type: none"> 1 - Description. 1 - Product code. 1 - Product Use. 1 - Further information. 1 - EPA Registration No. 1 - Manufactured By:. 1 - Hotline(s):. 2 - Hazard pictograms. 4 - Ingestion. 4 - Inhalation. 4 - Skin contact. 8 - Eye / face protection. 10 - 10.5. Incompatible materials. 11 - Respiratory or skin sensitisation. 11 - Carcinogenicity. 11 - STOT-repeated exposure. 14 - DOT. 14 - IMDG. 14 - IATA. 15 - Regulations. 15 - EPA Registration No.
Text of Hazard Statements in Section 3	<p>Acute Tox. 4: H302+H332 - Harmful if swallowed or if inhaled Eye Dam. 1: H318 - Causes serious eye damage.</p>

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Other information

Aquatic Chronic 2: H411 - Toxic to aquatic life with long lasting effects.
 Flam. Liq. 3: H226 - Flammable liquid and vapour.
 Acute Tox. 4: H302 - Harmful if swallowed.
 Skin Corr. 1B: H314 - Causes severe skin burns and eye damage.
 Aquatic Acute 1: H400 - Very toxic to aquatic life.
 Acute Tox. 4: H312 - Harmful in contact with skin.
 Acute Tox. 4: H302+H312 - Harmful if swallowed or in contact with skin
 Eye Irrit. 2: H319 - Causes serious eye irritation.
 Acute Tox. 3: H301+H311 - Toxic if swallowed or in contact with skin
 Skin Irrit. 2: H315 - Causes skin irritation.
 STOT RE 1: H372 - Causes damage to organs through prolonged or repeated exposure .
 Aquatic Chronic 1: H410 - Very toxic to aquatic life with long lasting effects.

Further information

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