

SAFETY DATA SHEET

according to 29 CFR 1910.1200 and GHS

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BioSentry® BioQuat™ 20 Disinfectant

Revision 0
Revision date 2018-10-08

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

1.1. Product identifier

Product name	BioSentry® BioQuat™ 20 Disinfectant
Product code	D12709575, D12670163

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; [PC35] Washing and cleaning products (including solvent based products);
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	Skin Corr. 1B: H314;
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2.2. Label elements

Hazard pictograms



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2.2. Label elements

Signal Word	Danger
Hazard Statement	Skin Corr. 1B: H314 - Causes severe skin burns and eye damage.
Precautionary Statement: Prevention	P260 - Do not breathe dust/fume/gas/mist/vapours/spray. P264 - Wash thoroughly after handling. P280 - Wear protective gloves/protective clothing/eye protection/face protection.
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. P310 - Immediately call a POISON CENTER/doctor/ . P321 - Specific treatment (see on this label). P363 - Wash contaminated clothing before reuse.
Precautionary Statement: Storage	P405 - Store locked up.
Precautionary Statement: Disposal	P501 - Dispose of contents/container to an approved waste disposal plant (in accordance with local/regional/national/international regulation).

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
Quaternary ammonium compounds benzyl C12-16 - alkyldimethyl, chlorides		68424-85-1	270-325-2		10 - 20%	Acute Tox. 4: H302+H312; Skin Corr. 1B: H314;
Sodium carbonate	011-005-00-2	497-19-8	207-838-8		1 - 10%	Eye Irrit. 2: H319;

Further information

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

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	DO NOT INDUCE VOMITING. Rinse mouth thoroughly. Never give anything by mouth to an unconscious person.

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.

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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 if irritation or symptoms persist.
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

	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 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 containers tightly closed. Keep in a cool, dry, well ventilated area. Store in correctly labelled containers. Store at temperatures between 20 °C and 25 °C.
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7.3. Specific end use(s)

	See section 1.2 for further information.
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SECTION 8: Exposure controls/personal protection

8.1. Control parameters


	Occupational exposure controls.
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8.2. Exposure controls

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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.
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

State	Liquid
Color	Clear
Odor	Characteristic
Odour threshold	No data available
Flammability limits	No data available
Vapor pressure	No data available
Vapor density	No data available
pH	11 - 11.5
Relative density	No data available
Autoignition temperature	No data available
Viscosity	No data available
Explosive properties	No data available
Oxidising properties	No data available
Fat Solubility	No data available
Partition coefficient	No data available
Melting point	No data available
Freezing Point	No data available
Boiling point	No data available
Flash point	No data available
Evaporation rate	No data available
Solubility	Soluble in water

9.2. Other information

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9.2. Other information

Conductivity	No data available
Surface tension	No data available
Specific gravity	No data available
Bulk Density	No data available
Gas group	No data available
Benzene Content	No data available
Lead content	No data available
VOC (Volatile organic compounds)	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

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

11.1.4. Toxicological information

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11.1.4. Toxicological information

BioSentry® BioQuat™ 20 Disinfectant	Oral Rat LD50: 1050	Dermal Rabbit LD50: 1100
	Inhalation Rat LC50/4 h: 0.99	

SECTION 12: Ecological information

12.1. Toxicity

	No data available
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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® BioQuat™ 20 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.
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SECTION 14: Transport information

Hazard pictograms

	
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14.1. UN number

	UN1903
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14.2. UN proper shipping name

	DISINFECTANT, LIQUID, CORROSIVE, N.O.S. (QUATERNARY AMMONIUM COMPOUNDS, ETHANOL)
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14.3. Transport hazard class(es)

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

14.4. Packing group

Packing group	III
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14.5. Environmental hazards

Environmental hazards	No
Marine pollutant	No

14.6. Special precautions for user

	No data available.
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14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

	Not applicable.
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DOT

Hazard ID	80
Tunnel Category	(E)

IMDG

EmS Code	F-A S-B
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IATA

Packing Instruction (Cargo)	856
Maximum quantity	60 L
Packing Instruction (Passenger)	852
Maximum quantity	5 L

SECTION 15: Regulatory information

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:</p> <p>New Jersey Right-to-Know Hazardous Substance List: Ethanol: Y</p> <p>Pennsylvania Right-to-Know Hazardous Substance List: Ethanol: Y.</p> <p>Rhode Island Right-to-Know Hazardous Substance List: Ethanol.</p>
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15.2. Chemical safety assessment

No data is available on this product.

Inventories

Ingredient	TSCA	MA	SARA313	CALPROP65	CWA307	CAA112	CWA311	SARA302	SARA304
Sodium carbonate (Carbonic acid disodium salt)	Y	N	N	N	N	N	N	N	N

Further information

FIFRA	This chemical is a pesticide product registered by the United States 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 (SDS), and for workplace labels of non-pesticide chemicals. The hazard information required on the pesticide label is reproduced below. The pesticide label also includes other important information, including directions for use.
FIFRA Signal Word	DANGER.
FIFRA Warning	Corrosive. Causes serious eye damage. CAUSES SKIN IRRITATION. Do not get in eyes, on skin, or on clothing. Wear.: Wear protective gloves/protective clothing/eye protection/face protection. Harmful if swallowed. Avoid contamination of food or feedstuffs. Avoid breathing spray mist. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet. Remove and wash contaminated clothing before reuse.

SECTION 16: Other information

Other information

Text of Hazard Statements in Section 3	Acute Tox. 4: H302+H312 - Harmful if swallowed or in contact with skin Skin Corr. 1B: H314 - Causes severe skin burns and eye damage. Eye Irrit. 2: H319 - Causes serious eye irritation.
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Further information

	<p>DISCLAIMER: The information and recommendations set forth herein ("Information") are presented in good faith and believed to be correct as of the date issued. No representation is made regarding the completeness or accuracy of the Information. Further, because of the many factors that affect the use of this product, the Information is supplied upon the condition that the person(s) receiving it will make their own determination regarding its suitability for their own unique purpose(s), prior to use.</p> <p>Except as expressly stated herein, NO WARRANTIES, GUARANTEES, OR REPRESENTATIONS OF ANY KIND, EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, IMPLIED WARRANTY OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, COURSE OF PERFORMANCE, USAGE OF TRADE, OR RESULTS TO BE OBTAINED BY USE OF THIS PRODUCT are made with respect to this product or use of this product. The product covered is furnished "as is" and only subject to the warranties herein provided, no liability is assumed resulting from the use of this product.</p>
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