

SAFETY DATA SHEET

according to 29 CFR 1910.1200 and GHS

Page 1/8

BioSentry® X-185™

Revision 0
Revision date 2018-10-16

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

1.1. Product identifier

| | |
|---------------------|----------------------|
| Product name | BioSentry® X-185™ |
| Product code | D12670638, D12670644 |

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. Cleaner. |

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 |
|-----------------------------------|----------------|

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. 1B: H314; Aquatic Chronic 3: H412; |
|------------------------------------|---|

2.2. Label elements

| | |
|--------------------------|---|
| Hazard pictograms |  |
|--------------------------|---|

BioSentry® X-185™

Revision 0
Revision date 2018-10-16

2.2. Label elements

| | |
|--|---|
| Signal Word | Danger |
| Hazard Statement | Flam. Liq. 3: H226 - Flammable liquid and vapour. Skin Corr. 1B: H314 - Causes severe skin burns and eye damage. Aquatic Chronic 3: H412 - Harmful 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. P233 - Keep container tightly closed. P242 - Use only non-sparking tools. P243 - Take precautionary measures against static discharge. P260 - Do not breathe dust/fume/gas/mist/vapours/spray. P264 - Wash thoroughly after handling. P273 - Avoid release to the environment. 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/ . P363 - Wash contaminated clothing before reuse. P370+P378 - In case of fire: Use to extinguish. |
| Precautionary Statement: Storage | P403+P235 - Store in a well-ventilated place. Keep cool. 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). |

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 |
|--------------------------------|--------------|------------|-----------|---------------------------|--------------|---|
| Sodium hydroxide | 011-002-00-6 | 1310-73-2 | 215-185-5 | | 1 - 10% | Skin Corr. 1A: H314; |
| Cresylic acid. (Cresol) | | 1319-77-3 | 215-293-2 | | 20 - 30% | Acute Tox. 3: H301; Acute Tox. 3: H311; Skin Corr. 1B: H314; Eye Dam. 1: H318; |
| Isopropanol (2-Propanol) | 603-117-00-0 | 67-63-0 | 200-661-7 | | 10 - 20% | Flam. Liq. 2: H225; Eye Irrit. 2: H319; STOT SE 3: H336; |
| Dodecylbenzenesulphonic acid | | 27176-87-0 | 248-289-4 | | 1 - 10% | Acute Tox. 4: H302; Skin Corr. 1B: H314; |
| 2-Phenylphenol (ISO) | 604-020-00-6 | 90-43-7 | 201-993-5 | | 1 - 10% | Eye Irrit. 2: H319; STOT SE 3: H335; Skin Irrit. 2: H315; Aquatic Acute 1: H400; |
| Ortho-benzyl para-chlorophenol | | 120-32-1 | | | 1 - 10% | Skin Irrit. 2: H315; Eye Dam. 1: H318; Acute Tox. 4: H332; STOT SE 3: H335; STOT RE 2: H373; |
| 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; |

BioSentry® X-185™

Revision 0
Revision date 2018-10-16

Further information

| | |
|--|--|
| | The exact percentage (concentration) of composition has been withheld as a trade secret. |
|--|--|

SECTION 4: First aid measures

4.1. Description of first aid measures

| | |
|--------------|---|
| Inhalation | Move the exposed person to fresh air. |
| Eye contact | Rinse immediately with plenty of water for 15 minutes holding the eyelids open. |
| Skin contact | Wash off immediately with plenty of soap and water. Remove contaminated clothing. |
| Ingestion | DO NOT INDUCE VOMITING unless advised to do so by a doctor. |

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

| | |
|--------------|---|
| Inhalation | Inhalation may cause coughing, tightness of the chest and irritation of the respiratory system. |
| Eye contact | May cause irritation to eyes. |
| Skin contact | May cause irritation to skin. |
| Ingestion | Ingestion may cause nausea and vomiting. |

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

| | |
|--------------|--|
| Inhalation | If you feel unwell, seek medical advice (show the label where possible). |
| 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. |
|--|---|

5.2. Special hazards arising from the substance or mixture

| | |
|--|---|
| | Burning produces irritating, toxic and obnoxious fumes. |
|--|---|

5.3. Advice for firefighters

| | |
|--|--|
| | Wear self contained breathing apparatus and protective clothing. |
|--|--|

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

| | |
|--|--|
| | Ensure adequate ventilation of the working area. Avoid contact with skin and eyes. |
|--|--|

6.2. Environmental precautions

| | |
|--|---|
| | Do not allow product to enter drains. Prevent further spillage if safe. |
|--|---|

6.3. Methods and material for containment and cleaning up

| | |
|--|--|
| | Transfer to suitable, labelled containers for disposal. Clean spillage area thoroughly with plenty of water. |
|--|--|

6.4. Reference to other sections

| | |
|--|---|
| | See section 2, 8, & 13 for further information. |
|--|---|

SECTION 7: Handling and storage

7.1. Precautions for safe handling

| | |
|--|--|
| | Ensure adequate ventilation of the working area. Avoid contact with eyes and skin. Adopt best Manual Handling considerations when handling, carrying and dispensing. |
|--|--|

BioSentry® X-185™

Revision 0
Revision date 2018-10-16

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.

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

| | | |
|--------------------------|---|--|
| Isopropanol (2-Propanol) | ACGIH TLV TWA: 200 ppm Notations: A4 OSHA PEL 8hr TWA mg m3: 980 NIOSH REL 10hr TWA ppm: NIOSH REL 15 min ST ppm: | ACGIH TLV STEL: 400 ppm OSHA PEL 8hr TWA ppm: 400 Skin Designation: - NIOSH REL 10hr TWA mg m3: NIOSH REL 15 min ST mg m3: |
| Sodium hydroxide | ACGIH TLV TWA: - Notations: - OSHA PEL 8hr TWA mg m3: 2 NIOSH REL 10hr TWA ppm: NIOSH REL 15 min ST ppm: | ACGIH TLV STEL: C 2 mg/m ³ OSHA PEL 8hr TWA ppm: - Skin Designation: - NIOSH REL 10hr TWA mg m3: 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 protective clothing.

Eye / face protection

Approved safety goggles.

Skin protection - Hand protection

Wear suitable gloves.

Skin protection - Other

Wear suitable protective clothing.

Respiratory protection

Wear suitable respiratory equipment when necessary.

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

BioSentry® X-185™

Revision 0
Revision date 2018-10-16

9.1. Information on basic physical and chemical properties

| | |
|---------------------------------|-------------------|
| State | Liquid |
| Color | Amber |
| Odor | Characteristic |
| Odour threshold | No data available |
| pH | 12 - 13 |
| Melting point | No data available |
| Freezing Point | No data available |
| Boiling point | 101 °C |
| Flash point | 28 °C |
| Evaporation rate | No data available |
| Flammability limits | Not applicable. |
| Vapor pressure | No data available |
| Vapor density | 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 | Soluble in water |

9.2. Other information

| | |
|---|-------------------|
| Bulk Density | 8.68 - 8.76 |
| VOC (Volatile organic compounds) | No data available |

SECTION 10: Stability and reactivity

10.1. Reactivity

| | |
|--|---------------------------------|
| | Stable under normal conditions. |
|--|---------------------------------|

10.2. Chemical stability

| | |
|--|---------------------------------|
| | Stable under normal conditions. |
|--|---------------------------------|

10.3. Possibility of hazardous reactions

| | |
|--|---------------------------------------|
| | No data is available on this product. |
|--|---------------------------------------|

10.4. Conditions to avoid

| | |
|--|---|
| | Avoid sparks, flames, heat and sources of ignition. |
|--|---|

10.6. Hazardous decomposition products

| | |
|--|---------------------------------------|
| | No data is available on this product. |
|--|---------------------------------------|

SECTION 11: Toxicological information

11.1. Information on toxicological effects

| | |
|--|---|
| Skin corrosion/irritation | Causes burns. |
| Serious eye damage/irritation | Causes severe inflammation and may damage the cornea. |
| Respiratory or skin sensitisation | May cause allergic reactions in susceptible people. |
| Carcinogenicity | Not found to be a potential carcinogen in the International Agency for Research on Cancer (IARC) Monographs, Volumes 1-112. |

BioSentry® X-185™

Revision 0
Revision date 2018-10-16

11.1. Information on toxicological effects

| | |
|--------------------------------|---|
| Repeated or prolonged exposure | Not listed in the National Toxicology Program (NTP) 13th Report on Carcinogens. Not listed in the OSHA standard 1910.1003 Carcinogens. |
| | Avoid prolonged or repeated exposure. |

11.1.4. Toxicological information

| | |
|-------------|---------------------------|
| Isopropanol | Oral Rat LD50: 4396 mg/kg |
|-------------|---------------------------|

SECTION 12: Ecological information

12.1. Toxicity

| | | |
|------------------|--------------------------------|-----------------------------------|
| Sodium hydroxide | Fish LC50/96h: 125.000000 mg/l | Rainbow trout LC50/96h: 45.4 mg/l |
|------------------|--------------------------------|-----------------------------------|

12.2. Persistence and degradability

| | |
|--|---------------------------------------|
| | No data is available on this product. |
|--|---------------------------------------|

12.3. Bioaccumulative potential

| | |
|--|---------------------------------------|
| | No data is available on this product. |
|--|---------------------------------------|

Partition coefficient

| | |
|--|-------------------------------------|
| | BioSentry® X-185™ No data available |
|--|-------------------------------------|

12.4. Mobility in soil

| | |
|--|---------------------------------------|
| | No data is available on this product. |
|--|---------------------------------------|

SECTION 13: Disposal considerations

13.1. Waste treatment methods

| | |
|--|---|
| | Dispose of in compliance with all local and national regulations. |
|--|---|

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

| | |
|--|--------|
| | UN2924 |
|--|--------|

14.2. UN proper shipping name

| | |
|--|---|
| | FLAMMABLE LIQUID, CORROSIVE, N.O.S. (ISOPROPANOL CRESOLS (MIX)) |
|--|---|

14.3. Transport hazard class(es)

| | |
|-----------------|---|
| DOT | 3 |
| Subsidiary risk | 8 |
| IMDG | 3 |

BioSentry® X-185™

Revision 0
Revision date 2018-10-16

14.3. Transport hazard class(es)

| | |
|-----------------|---|
| Subsidiary risk | 8 |
| IATA | 3 |
| Subsidiary risk | 8 |

14.4. Packing group

| | |
|---------------|-----|
| Packing group | III |
|---------------|-----|

14.5. Environmental hazards

| | |
|-----------------------|----|
| Environmental hazards | No |
| Marine pollutant | No |

DOT

| | |
|-----------------|-------|
| Hazard ID | 38 |
| Tunnel Category | (D/E) |

IMDG

| | |
|----------|---------|
| EmS Code | F-E S-C |
|----------|---------|

IATA

| | |
|---------------------------------|------|
| Packing Instruction (Cargo) | 365 |
| Maximum quantity | 60 L |
| Packing Instruction (Passenger) | 354 |
| Maximum quantity | 5 L |

SECTION 15: Regulatory information

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

| | |
|--------------------|---|
| Regulations | <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>Hazard Communication Standard: 29 Code of Federal Regulations 1910.1200: Occupational Safety and Health Standards: Z: Toxic and Hazardous Substances: Hazard Communication.</p> <p>US State Regulations: New Jersey Right-to-Know Hazardous Substance List: Bis(tributyltin) oxide, Cresylic acid</p> <p>Pennsylvania Right-to-Know Hazardous Substance List: Bis(tributyltin) oxide, Cresylic acid.</p> <p>Rhode Island Right-to-Know Hazardous Substance List: Bis(tributyltin) oxide, Cresylic acid.</p> |
|--------------------|---|

Inventories

| Ingredient | TSCA | MA | SARA313 | CALPROP65 | CWA307 | CAA112 | CWA311 | SARA302 | SARA304 |
|--|------|----|---------|-----------|--------|--------|--------|---------|---------|
| Sodium hydroxide (Sodium hydroxide (Na(OH))) | Y | N | N | N | N | N | Y | N | N |
| Isopropanol (2-Propanol) | Y | N | Y 1.0 | N | N | N | N | N | N |
| 2-Phenylphenol (ISO) ([1,1'-Biphenyl]-2-ol) | Y | Y | Y 1.0 | Y | N | N | N | N | N |

SECTION 16: Other information

BioSentry® X-185™

Revision 0
 Revision date 2018-10-16

Other information

| | |
|---|--|
| Text of Hazard Statements in Section 3 | <p>Skin Corr. 1A: H314 - Causes severe skin burns and eye damage. Skin Corr. 1B: H314 - Causes severe skin burns and eye damage. Skin Irrit. 2: H315 - Causes skin irritation. Eye Irrit. 2: H319 - Causes serious eye irritation. Acute Tox. 3: H301+H311 - Toxic if swallowed or in contact with skin Eye Dam. 1: H318 - Causes serious eye damage. Flam. Liq. 2: H225 - Highly flammable liquid and vapour. STOT SE 3: H336 - May cause drowsiness or dizziness. Acute Tox. 4: H302 - Harmful if swallowed. STOT SE 3: H335 - May cause respiratory irritation. Aquatic Acute 1: H400 - Very toxic to aquatic life. Acute Tox. 4: H332 - Harmful if inhaled. STOT RE 2: H373 - May cause damage to organs through prolonged or repeated exposure . 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.</p> |
|---|--|

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> |
|--|--|