

SAFETY DATA SHEET

according to 29 CFR 1910.1200 and GHS

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BioSentry[®] Liquid Tray & Egg Wash

Revision 1
Revision date 2018-10-05

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

1.1. Product identifier

| | |
|---------------------|---|
| Product name | BioSentry [®] Liquid Tray & Egg Wash |
| Product code | D12695698, D12695708, D12709646 |

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 | 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 | Skin Corr. 1A: H314; |
|------------------------------------|----------------------|

2.2. Label elements

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

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2.2. Label elements

| | |
|-------------------------------------|--|
| Signal Word | Danger |
| Hazard Statement | Skin Corr. 1A: H314 - Causes severe skin burns and eye damage. |
| Precautionary Statement: Prevention | P260 - Do not breathe dust/fume/gas/mist/vapours/spray. 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. |

2.3. Other hazards

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

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 |
|---|--------------|-----------|-----------|---------------------------|--------------|---|
| Potassium hydroxide | 019-002-00-8 | 1310-58-3 | 215-181-3 | | 1 - 10% | Acute Tox. 4: H302; Skin Corr. 1A: H314; |
| Sodium hypochlorite, solution...% Cl active | 017-011-00-1 | 7681-52-9 | 231-668-3 | | 1 - 10% | EUH031; Skin Corr. 1B: H314; Aquatic Acute 1: H400; |
| Potassium diphosphate tetrabasic | | 7320-34-5 | 230-785-7 | | 1 - 10% | Skin Irrit. 2: H315; Eye Irrit. 2: H319; |

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 | 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. |

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). |

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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

Heat will increase pressure in sealed containers. Cool fire exposed containers with waterspray. Burning produces irritating, toxic and obnoxious fumes.

5.3. Advice for firefighters

In case of fire and/or explosion do not breathe fumes. Wear suitable respiratory equipment when necessary.

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.

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

Absorb with inert, absorbent material. Transfer to suitable, labelled containers for disposal.

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

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.

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.

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

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Exposure Limit Values

| | | |
|---------------------|--|--|
| Potassium hydroxide | ACGIH TLV TWA: - Notations: - OSHA PEL 8hr TWA mg m3: - 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: - |
| 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 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

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9.1. Information on basic physical and chemical properties

| | |
|---------------------------------|-------------------|
| State | Liquid |
| Color | Light yellow |
| Odor | Chlorine |
| Odour threshold | No data available |
| pH | > 12 |
| Melting point | No data available |
| Freezing Point | No data available |
| Boiling point | > 100 °C |
| Flash point | No data available |
| Evaporation rate | No data available |
| Flammability limits | Not applicable. |
| Vapor pressure | No data available |
| Vapor density | No data available |
| Relative 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

| | |
|---|-------------------|
| VOC (Volatile organic compounds) | No data available |
|---|-------------------|

SECTION 10: Stability and reactivity

10.1. Reactivity

| | |
|--|--------------------|
| | No data available. |
|--|--------------------|

10.2. Chemical stability

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

10.3. Possibility of hazardous reactions

| | |
|--|--------------------|
| | No data available. |
|--|--------------------|

10.4. Conditions to avoid

| | |
|--|---|
| | Heat, sparks and open flames. Heat will increase pressure in sealed containers. |
|--|---|

10.5. Incompatible materials

| | |
|--|--------|
| | Acids. |
|--|--------|

10.6. Hazardous decomposition products

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

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. |

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11.1. Information on toxicological effects

| | |
|-----------------------------------|--|
| Respiratory or skin sensitisation | No data available. |
| 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 | No data available. |
| Aspiration hazard | No data available. |
| Repeated or prolonged exposure | Avoid prolonged or repeated exposure. |

11.1.4. Toxicological information

| | | |
|---|---------------------------|-----------------------------------|
| Potassium hydroxide | Oral Rat LD50: 273 mg/kg | |
| Sodium hypochlorite, solution...% Cl active | Oral Rat LD50: 8200 mg/kg | Dermal Rabbit LD50: > 10000 mg/kg |

SECTION 12: Ecological information

12.1. Toxicity

| | | |
|---------------------|--------------------------------|-----------------------------------|
| Potassium hydroxide | Fish LC50/96h: 80 mg/l | |
| Sodium hydroxide | Fish LC50/96h: 125.000000 mg/l | Rainbow trout LC50/96h: 45.4 mg/l |

12.2. Persistence and degradability

| | |
|--|--------------------|
| | No data available. |
|--|--------------------|

12.3. Bioaccumulative potential

| | |
|--|--------------------|
| | No data available. |
|--|--------------------|

Partition coefficient

| | |
|--|--|
| | BioSentry® Liquid Tray & Egg Wash No data available |
|--|--|

12.4. Mobility in soil

| | |
|--|--------------------|
| | No data available. |
|--|--------------------|

12.5. Results of PBT and vPvB assessment

| | |
|--|--------------------|
| | No data available. |
|--|--------------------|

12.6. Other adverse effects

| | |
|--|--------------------|
| | No data available. |
|--|--------------------|

SECTION 13: Disposal considerations

13.1. Waste treatment methods

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

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

UN3266

14.2. UN proper shipping name

CORROSIVE LIQUID, BASIC, INORGANIC, N.O.S. (Potassium hydroxide mixture)

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 | No |
| Marine pollutant | No |

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

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:</p> <p>New Jersey Right-to-Know Hazardous Substance List: Potassium hydroxide, Sodium hypochlorite</p> <p>Pennsylvania Right-to-Know Hazardous Substance List: Potassium hydroxide, Sodium hypochlorite.</p> <p>Massachusetts Right-to-Know Hazardous Substance List: Potassium hydroxide, Sodium hypochlorite.</p> <p>Rhode Island Right-to-Know Hazardous Substance List: Potassium hydroxide, Sodium hypochlorite.</p> |
|--------------------|--|

15.2. Chemical safety assessment

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

Inventories

| Ingredient | TSCA | MA | SARA313 | CALPROP65 | CWA307 | CAA112 | CWA311 | SARA302 | SARA304 |
|--|------|----|---------|-----------|--------|--------|--------|---------|---------|
| Potassium hydroxide (Potassium hydroxide (K(OH))) | Y | N | N | N | N | N | Y | N | N |
| Sodium hypochlorite, solution...% Cl active (Hypochlorous acid, sodium salt) | Y | N | N | N | N | N | Y | N | N |
| Sodium hydroxide (Sodium hydroxide (Na(OH))) | Y | N | N | N | N | N | Y | 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 - Manufactured By:. 1 - Hotline(s):. 9 - 9.1. Information on basic physical and chemical properties (Flammability limits). 9 - 9.1. Information on basic physical and chemical properties (Viscosity). 9 - 9.1. Information on basic physical and chemical properties (Fat Solubility). 9 - 9.2. Other information (Conductivity). 9 - 9.2. Other information (Gas group). 9 - 9.2. Other information (Product Subcategory). 10 - 10.5. Incompatible materials. 11 - Carcinogenicity. 14 - DOT. 14 - IMDG. 14 - IATA. 15 - Regulations. 16 - Maximum content of VOC. |
|-----------------|---|

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Other information

| | |
|---|---|
| Text of Hazard Statements in Section 3 | Acute Tox. 4: H302 - Harmful if swallowed. Skin Corr. 1A: H314 - Causes severe skin burns and eye damage. EUH031 - Contact with acids liberates toxic gas. Skin Corr. 1B: H314 - Causes severe skin burns and eye damage. Aquatic Acute 1: H400 - Very toxic to aquatic life. Skin Irrit. 2: H315 - Causes skin irritation. Eye Irrit. 2: H319 - Causes serious eye irritation. |
|---|---|

Further information

| | |
|--|--|
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