


SAFETY DATA SHEET - *BioFlush*

No. 3 | Date Issued: 18/02/2019

| COMPANY DETAILS | |
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| NAME: | Hygiene Systems (Pty) Ltd |
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| TEL: | 011 552 8403 |
| SECTION 1 – PRODUCT AND COMPANY IDENTIFICATION | |
| TRADE NAME: | Bioflush |
| CHEMICAL FAMILY: | Bacteria based urinal and toilet cleaner |
| CHEMICAL NAME: | Not applicable |
| SYNONYMS: | Not applicable |
| CHEMICAL ABSTRACT NO: | Not applicable |
| SECTION 2 – HAZARDOUS IDENTIFICATION | |
| MAIN HAZARD: | Essentially non-hazardous |
| FLAMMABILITY: | Not flammable |
| CHEMICAL HAZARD: | None |
| BIOLOGICAL HAZARD: | Prolonged skin contact may irritate the skin. |
| REPRODUCTIVE HAZARD: | Not known |
| HEALTH EFFECTS (eye contact) | Stinging sensation |
| HEALTH EFFECTS (skin contact) | May be irritating to skin with prolonged use. |
| HEALTH EFFECTS (ingestion) | May cause gastro-intestinal irritation if swallowed. |
| HEALTH EFFECTS (inhalation) | Not expected to be a hazard under normal use conditions with good ventilation. |

| SECTION 3 - COMPOSITION | | | |
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| HAZARDOUS COMPONENTS: | | | |
| | % | EC NUMBER | CLASSIFICATION |
| ESSENTIALLY NON-HAZARDOUS INGREDIENTS | | | |
| SECTION 4 – FIRST AID MEASURES | | | |
| PRODUCT IN EYE: | Immediately flush with water for at least 15minutes or until irritation stops. Seek medical attention. | | |
| PRODUCT ON SKIN: | Wash with soap and water. Apply hand lotion with prolonged use. | | |
| PRODUCT INGESTED: | DONOT induce vomiting. Give copious amounts of water to drink. Seek medical advice. | | |
| PRODUCT INHALED: | Remove to fresh air. Consult physician, should breathing still be difficult. | | |
| SECTION 5 – FIRE FIGHTING MEASURES | | | |
| EXTINGUISHING MEDIA: | Not applicable | | |
| SPECIAL HAZARDS: | None | | |
| PROTECTIVE CLOTHING: | Not applicable | | |
| SECTION 6 – ACCIDENTAL RELEASE MEASURES | | | |
| PERSONAL PRECAUTIONS: | Gloves (recommended)  | | |
| ENVIRONMENTAL PRECAUTIONS: | | | |
| SMALL SPILLS: | Flush to approved drain with plenty of water. | | |
| LARGE SPILLS: | Absorbed onto inert material. May be buried in an approved landfill site. | | |
| SECTION 7 – HANDLING AND STORAGE | | | |
| SUITABLE MATERIAL: | Polyethylene containers (original container) | | |
| HANDLING / STORAGE PRECAUTIONS: | Avoid prolonged contact with skin and contact with eyes. Store in a cool, dry place. | | |

| SECTION 8 – EXPOSURE CONTROL /PERSONAL PROTECTION | |
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| OCCUPATION EXPOSURE LIMITS: | Not applicable |
| ENGINEERING CONTROL MEASURES: | None |
| PERSONAL PROTECTION: (respiratory) | None |
| PERSONAL PROTECTION: (hand) | Gloves (recommended) |
| PERSONAL PROTECTION: (eye) | None |
| PERSONAL PROTECTION: (skin) | Overalls |
| OTHER PROTECTION: | Ventilation (local exhaust) |
| HYGIENE MEASURES: | Wash hands, forearms and face thoroughly after handling product and before eating, smoking and before going home. |
| SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES | |
| APPEARANCE: | Slightly hazy, colourless liquid. |
| ODOUR: | Neutral |
| pH (as is) | 7.0 – 9.0 |
| BOILING POINT: | Approx. 100°C |
| FREEZING POINT: | Not determined |
| FLASH POINT: | Not flammable |
| FLAMMABILITY: | Not flammable |
| EXPLOSIVE PROPERTIES: | Not considered as a product that has no explosion risk. |
| OXIDIZING PROPERTIES | None |
| VAPOUR PRESSURE: | Not determined |
| DENSITY @20°C: | 1.00 ± 0.01g/cm ³ |
| SOLUBILITY: (water) | Complete |
| SOLUBILITY: (solvent) | Soluble in polar solvents. |
| SOLUBILITY: (coefficient) | This product is more soluble in water. |

| SECTION 10 – STABILITY AND REACTIVITY | |
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| STABILITY: | The product is stable. |
| INCOMPATIBLE MATERIALS: | Bactericides |
| SECTION 11 – TOXICOLOGICAL INFORMATION | |
| LOCAL EFFECTS: | |
| SKIN IRRITATION: | In case of prolonged skin contact only. |
| EYE IRRITATION: | Irritant |
| ACUTE TOXICITY: | None |
| CHRONIC TOXICITY: | Severe eye irritation may be produced with repeated or prolonged contact with concentrated product. Ingestion may cause nausea, vomiting and / or diarrhoea. |
| SPECIFIC EFFECTS: | |
| CARCINOGENIC EFFECTS: | None, as classified by OSHA and NIOSH |
| SECTION 12 – ECOLOGICAL INFORMATION | |
| ECO-TOXICITY: | |
| ECO-TOXICITY IN WATER: | Not expected to be harmful to aquatic organisms. |
| BIODEGRADABILITY: | Biodegradable. If used responsibly, this product is not expected to cause adverse effects to the environment. |
| SECTION 13 – DISPOSAL CONSIDERATIONS | |
| DISPOSAL CONSIDERATION: | DONOT re-use containers. Puncture all plastic containers. |
| DISPOSAL METHODS: | Waste must be disposed of in accordance with local government and environmental control regulations. |
| WASTE CLASSIFICATION: | No additional information. |
| EUROPEAN WASTE CATALOGUE (EWC): | No known data. |
| HAZARDOUS WASTE: | The classification of this product may meet the criteria for hazardous waste. |

SECTION 14 – TRANSPORT INFORMATION

| INTERNATIONAL TRANSPORT REGULATIONS: | | | | | | |
|--|---------------|-----------------------|--------|----------------|--------|-------------------------|
| REGULATORY INFORMATION: | UNNUMBER: | PROPER SHIPPING NAME: | CLASS: | PACKING GROUP: | LABEL: | ADDITIONAL INFORMATION: |
| ADR/RID CLASS Land: Road / Railway | Not regulated | - | - | III | - | - |
| ADN CLASS Inland: Waterways | Not regulated | - | - | - | - | - |
| IMDG CLASS Sea | Not regulated | - | - | - | - | - |
| IATA-DGR CLASS Air | Not regulated | - | - | - | - | - |

SECTION 15 – REGULATORY INFORMATION

| EU REGULATIONS: | |
|---------------------------|---|
| HAZARD SUMBOL(S): | None |
| CLASSIFICATION: | None |
| HAZARD STATEMENTS: | H303 – Maybe harmful if swallowed H320 – Causes eye irritation |
| PRECAUTIONARY STATEMENTS: | P102 – Keep out of reach of children P301+P330+P331 – If swallowed: Rinse mouth and do not induce vomiting. P305 + P351 + PP338 – If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P337 + P313 – If eye irritation persists: Get medical advice. |
| PRODUCT USE: | Consumer applications. Classification and labelling have been performed as close as possible according to EU directive 67/548/EEC, 1999/45/EC including any amendments and the intended use. |

SECTION 16 – OTHER INFORMATION

OTHER SPECIAL CONSIDERATIONS:

No additional remarks.

DISCLAIMER:

Hygiene Systems believes, to the best of its knowledge, information and belief, the information contained herein to be accurate and reliable as of the date of this material safety data sheet. However, because the conditions of handling and possible addition of other chemicals, we assume no responsibility or liability for personal injury or property damage incurred by the use of these materials and makes no warranty, expressed or implied, regarding the accuracy or reliability of the data or results obtained from their use. All materials may present unknown hazards and should be used with caution. The information and recommendations in this material safety data sheet are offered for user's consideration and examination. It is the responsibility for the user to determine the final suitability of this information and data to comply with all applicable international, state, and local laws and regulations.