

SAFETY DATA SHEET

According to Regulation (EC) No 1907/2006 and ISO 11014-1

1. Product and Company identification

| | |
|--------------------------------|--|
| Brand name: | PURESAN® |
| Product name: | Bio Flush |
| Use of Product: | Natural treatment for auto-janitors and automatic urinal and toilet dosing units |
| Company: | Puresan (PTY) LTD 190 Hampton Court Drive, Chartwell, Randburg, 2055 South Africa |
| Emergency Telephone No: | Phone +27 829405826 |

2. Hazards Identification

2.1 Classification of the substance or mixture

GHS Classification

This product is not classified as hazardous.

2.2 GHS Label elements, including precautionary statements

| | |
|----------------------------|---|
| Danger Symbol | None |
| Signal word | None |
| Additional label elements: | |
| Prevention statements | None |
| Response statements | None |
| Storage statements | For quality purpose, avoid heat and the direct sunlight during storage. |
| Disposal statements | P501: Dispose of contents and container in accordance with local state and federal regulations. |
| General precautions | P102: Keep out of reach of children P270: Do not eat, drink or smoke when using the product. |

2.3 Other hazards

Not available

3. Composition / Information on Ingredients

To the present knowledge of the supplier, this product does not contain any hazardous ingredients in quantities requiring reporting in this section, in accordance with OSHA Hazard Communication Standard (29 CFR 1910.1200).

4. First-aid measures

4.1 Description of first aid measures:

| | |
|--------------------------|--|
| General information | If you feel unwell, get medical attention. |
| Following inhalation | Move victim to fresh air. Get medical attention if you feel unwell. |
| Following skin contact | Wash with plenty of soap and water. If skin irritation occurs, get medical attention. |
| Following eye contact | Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical attention. |
| Following ingestion | Get medical attention if you feel unwell. |
| For emergency responders | No data available |

4.2 Most important symptoms and effects, both acute and delayed – No data available.

4.3 Indication of any immediate medical attention and special treatment needed – Treat according to symptoms.

5. Fire-fighting measures

5.1. Extinguishing media

Appropriated : Use fire-extinguishing media appropriate for surrounding materials.

Inappropriated : No data available

5.2. Special hazards arising from the substance or mixture

During fire, gases hazardous to health may be formed such as carbon oxides.

5.3. Advice for firefighters

In case of fire: Wear appropriate apparatus of breathing and protective clothing.

6. Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Wear safety glasses and protective gloves. Keep unprotected persons away from and upwind of spill/leak.

6.2. Environmental precautions

Avoid release to the environment.

6.3. Methods and material for containment and cleaning up

Clean contaminated sites immediately. Use an inert absorbent material.

6.4. Reference to other sections

Refer to sections: 7 safe handling, 8 for personal protective equipments, 13 for disposal

7. Handling and storage

7.1. Precautions for safe handling

Avoid contact with eyes.
Wash hands thoroughly after handling.

7.2. Conditions for safe storage, including any incompatibilities

Avoid heat and the direct sunlight.

7.3. Specific end use(s)

No data available

8. Exposure controls/personal protection

8.1. Control parameters

Components with critical values that require monitoring at the workplace (DE)

| Substance | VME, 8 hours (France) | | VLE, 15 minutes (France) | | VME, 8 hours (United Kingdom) | | VLE, 15 minutes (United Kingdom) | |
|-----------|-----------------------|--------------------|--------------------------|--------------------|-------------------------------|--------------------|----------------------------------|--------------------|
| | ppm | mg.m ⁻³ | ppm | mg.m ⁻³ | ppm | mg.m ⁻³ | ppm | mg.m ⁻³ |
| | | | | | | | | |

8.2. Exposure controls

Appropriate engineering controls

Local exhaust ventilation may be necessary to prevent airborne contaminants exceed their exposure limits.

Eye/face protection : No eye protection is required in general.

Skin/hand protection : No hand protection is required in general. Wash hands thoroughly after handling.

Respiratory protection : Respiratory protection is not required in general. Thermal hazards : No data available

Hygiene measures : Do not drink, eat or smoke near the product. Wash hands before and after handling

Environmental exposure controls

Avoid release to the environment

9. Physical and chemical properties

| | |
|-----------------------------|------------------------|
| Physical state: | Liquid |
| Colour: | Clear liquid |
| Odour: | Citrus-like fragrance |
| Boiling point: | No data available |
| Melting point: | No data available |
| Solubility in water: | Soluble in water |
| Relative density: | 1065 kg/m ³ |
| Flash-point: | Not applicable |
| pH: | 4 |

10. Stability and reactivity

| | |
|--|--|
| Stability: | Stable for 3 to 6 months under cool storage conditions |
| Conditions to avoid: | Mixing with incompatible substances |
| Materials compatible: | Strong oxidizing agents |
| Materials partly compatible: | Not Applicable |
| Hazardous decomposition products: | None. |
| Further information: | None. |

11. Toxicological information

| | |
|------------------------------|--------|
| LD50/LC50: | >5g/kg |
| Local effects: | |
| Skin and Eye Contact: | None |
| Chronic Toxicity: | None |
| Carcinogenicity: | None |
| Reproductive Hazards: | None |

12. Ecological information

| | |
|------------------------------------|--|
| Mobility: | Soluble in water |
| Persistence/degradability: | According to OECD method No. 302B, this product is classified as inherently biodegradable. |
| Bio accumulative potential: | None |
| Aqua Toxicity: | According to OECD method No. 203 this product is classified as non-toxic to fish. |

13. Disposal consideration

| | |
|--------------------------------|---|
| Methods of disposal: | Disposal to general waste. |
| Contaminated packaging: | Empty containers should be taken for recycling, recovery or waste disposal in compliance with local and national regulations. |
| UN Number: | Not regulated |
| SABS 0228 | <i>Not regulated</i> |

14. Transport information

| | |
|--|--|
| Not Subject to transport regulations. | <i>No Tramcard required.</i> |
| Land transport (ADR/RID): | <i>N.O.S. non-corrosive liquid, non-oxidizing, inorganic, (mixture) No special regulations apply</i> |
| Sea transport (IMDG): | <i>N.O.S. non-corrosive liquid, non-oxidizing, inorganic, (mixture) No special regulations apply</i> |
| Air transport (ICAO-IATA/DGR): | <i>N.O.S. non-corrosive liquid, non-oxidizing, inorganic, (mixture) No special regulations apply</i> |

15. Regulatory information

Labelling EC: Not classified as dangerous for supply or conveyance

| | |
|-------------------|----|
| Symbols: | no |
| R-phrases: | no |
| S-phrases: | no |

16. Other information

The information in this safety data sheet is correct to the best of our knowledge, information and belief, at the date of publication. The information given is designed only as guidance for safe handling, use, processing, storage, transportation, disposal and release of bulk concentrate, and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process unless specified in the text.

Date of issue: September 2018