MATERIAL SAFETY DATA SHEET

Product Name: Bactallion Portable toilet tablets

1. Product and Company Identification.

Supplier : Bactallion (Pty) Ltd
Plot 219,
Modderfontein,
Rustenburg, South Africa

Telephone No : +27 (0) 82 903 3658

2. Composition / Information on Ingredients

- Sodium Percarbonate
- Nutrients
- Binders
- Non- Pathogenic Bacterial Strains
- Organic colour dye

Hazardous ingredient/impurity	% Conc.	Classification	Exposure	CAS	EINECS
Sodium Percarbonate	20	5.1		15630-89-4	239-707-6

3. Hazards Identification

Important hazards : Non Hazardous

4. First Aid Measures

Exposure Route	Symptom	Treatment
Inhalation	Prolonged or repeated inhalation of dust, may irritate the respiratory tract	Remove from exposure, rest and keep warm. In severe cases, or if recovery is not rapid or complete seek medical attention.
Skin Contact	May cause irritation and discomfort	Drench the skin with plenty of water for 15 minutes; use a mild soap if available. Remove contaminated clothing and wash before reuse. If large areas of the skin are damaged or if irritation persists seek medical attention.

Eye Contact	May cause irritation and pain	Remove contact lens and irrigate thoroughly with water for at least 15 minutes. Obtain medical attention.
Ingestion	Irritation of gastrointestinal tract, nausea, diarrhea	Wash out mouth with water. Do not induce vomiting. If patient is conscious, give water to drink. If patient feels unwell seek medical attention.

Immediate Treatment / Antidote: symptomatic treatment
Delayed Effects: bacterial infection

5. Fire Fighting Measures.

Suitable Extinguishers:: Water
Unsuitable Extinguishers : None Known
Hazardous Combustion Products : Large dust accumulations can be explosive, similar to a grain dust explosion.
Special Equipment for Fire Fighting : Self contained breathing apparatus

6. Accidental Release Measures.

Personal Precautions: Wear appropriate PPE - See section 8
Environmental Precautions : The bacteria and carriers are naturally occurring and should not pose an environmental risk.
Clean up Procedure : If dry, vacuum or dry sweep spilled material and place in closed plastic bags for disposal. If wet, place wet material in a drum or bucket lined with a plastic bag. The bag should not be tightly closed. Allow the bag to airate for 24 hours before disposal. Disposal bag should be pinholed near the top to avoid bursting if carbon dioxide or oxygen gas is evolved. Wash spill site with water. If bacterial contamination is an issue use chlorine to kill the bacteria.

7. Handling and Storage.

Handling
Ventilation:: Good general ventilation.
Recommended procedures & equipment : Avoid creating dust

Storage : Store in a dry area.
Keep away from : See section 10
Suitable storage Media : Original container with closed lid.

Precautions against static discharge : Do not transfer material into flammable solvents. Ground all equipment that handle solid or powdered product. Product surface alterations caused by calcining or mixing
with additives may alter toxicological and chemical properties.

8. Exposure Controls / Personal Protection

Exposure Limits: 8-Hour Time Weighted Average (TWA): 15-minute Short-Term Exposure Limit (STEL)
OSHA: 6 mg/m3 (total dust) TWA. 29 CFR 1910.1000 (Rev. 3/1/89).
ACGIH: 10 mg/m3 (total amorphous dust) TWA. 3 mg/m3 (respirable nuisance particulate) TWA.

Personal Protective Equipment
Respiratory: NIOSH approved dust filter respirator for exposure above permissible exposure limits. Respiratory protection programs must be in accordance with 29 CFR 1910.134

Hand: Wash hands after use. Gloves recommended

Eye: Safety glasses or goggles recommended.
Skin: Wash after exposure. Boots, aprons, or chemical suits should be used when necessary to prevent skin contact. Personal protective clothing and use of equipment must be in accordance with 29 CFR 1910.132 (general requirements), .133 (eye and face protection, and .138 (hand protection).
Environmental controls: Users should be aware of environmental considerations and their duties under the environmental protection act. Do not place the product into potable water.
Hygiene Measures Always wash thoroughly after handling chemicals.

9. Physical and chemical properties

Appearance	Blue
Odor	Slight Musty Odor
pH	8.0 (5% suspension)
Boiling point/range	NA
Melting point/range	NA
Flash point	NA
Specific gravity	NA
Bulk density	Variable

Volume % Volatile	NA
Physical state	Tablet
Vapour pressure	None
Heat solution	NA
Solubility in water	Partially Insoluble
Vapour density	Not soluble
Evaporation rate	NA

10. Stability and reactivity.

Stability :Stable under normal storage and handling conditions. Keep away from moisture when storing. Keep away from combustible solvents.
Conditions/Materials to avoid : Accumulations of product in enclosed spaces and generation of dust. High temperatures (>200°C) treatment or calcining). Avoid alteration of product properties before use. Calcining, which may result in gas formation, or mixing with additives may alter toxicological and chemical properties.
Hazardous decomposition products : None known

11. Toxicological Information

Toxological effects :Low Acute oral toxicity although ingestion will cause irritation of the gastrointestinal tract and may result in nausea and diarrhea. May cause mild mechanical irritation to eyes, skin and mucous membranes. May cause irritation from allergic reaction, especially to people that have a history of allergic reaction.
LD_{LO}
LD_{50}
oral-rat
skin-rabbit

12. Ecological information

Environmental Effects: Not Known
Bioaccumulative potential: Not Known
Aquatic Toxicity : Not Known

13. Disposal Considerations.

Substance: Via an authorized waste disposal contractor to an approved waste disposal site, observing all local and national regulations.
Container : As substance.

14. Transport Information

No transport regulations for this product.
Tramcard Number: Not Applicable

15. Regulatory Information

Label Name: **Bactallion Septic and pit** Treatment Tablets
Symbols : No risk or safety phrases stipulated

Risk Phrases
8 Contact with combustible material or solvents may cause fire.
36/38 Irritating to eyes and skin.

Safety Phrases
3 Keep in a cool place.
8 Keep container dry.
17 Keep away from combustible materials especially solvents.
24/25 Avoid contact with skin and eyes.
26 I In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

Hazardous Material Identification System (HMIS)

Health (0-4): 1
Flammability (0-4): 1
Reactivity (0-4): 0
Personal Protection (A-D): N/A

National Fire Protection Association (U.S.A.:

Health (0-4): 1
Flammability (0-4): 1
Reactivity (0-4): 0
Specific Hazard: N/A

Protective Equipment: (Non-toxic, non-caustic)

<Gloves and protective eyewear recommended>

16. Other information:

Other Special Considerations:None Identified

- This material must not be used for direct contact with food.
- Wash hands thoroughly after handling.
- Further details may be available upon request from your local distribution site.

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