

## AfroEco Flush Products

Is your pit toilet / septic tank toilet smelly? Are there flies and maggots as a result? Is it filling up due to lack of treatment? Do you have space in your property to dig up another pit toilet? Tired of using inappropriate and toxic chemicals that are harmful to the environment and your health? Try our eco-friendly, cost-effective, efficient accredited solution, which is fit for purpose.



## About AfroEco

We are a passionate company dedicated to promoting responsible sanitation, empowering our clients through marketing and selling environmentally friendly sanitation products.

These products provide general and specific application in agricultural, domestic and industrial environments.

We understand that conventional cleaning products often contain harsh chemicals that harm both human health and the environment.

Our range of cutting-edge sanitation solutions harness the power of nature to tackle even the toughest sanitation challenge. They are biodegradable, non-toxic, and safe for use in any environment.



## Certifications



## Contact Us

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# AfroECO

Responsible Sanitation

## AfroEco Flush



# Why AfroEco Flush?



According to StatsSA, Census 2022 results indicate figures of in excess of 3.9 million households in South Africa (4.4 million in 2016) are still living with the indignity of using Pit Latrines/ non-flushing ablution facilities. The majority remain unmaintained. Their lack of maintenance can lead to the contamination of underground water systems with pathogens and nitrates. Exposure to these dangerous pathogens during the use of Pit Latrines is a major health risk in certain communities.

The emptying of these pit toilets is often done in a very unsafe manner. Access to some communities by Vacuum trucks is not possible resulting in municipalities not being able to periodically clean the Pit Latrines or resorting to manual cleaning which exposes workers to a myriad of safety and health hazards.

Flies and odours are normally noticeable to the users and are a major nuisance. Costs to empty the pits are significant. A household in South Africa can expect to pay anything between R500 and R1500 for a Vacuum truck to empty a pit latrine in areas where such services are available from private suppliers. Most households reliant on Pit Latrines cannot afford to invest in improved sanitation solutions of sludge when this happens, many WSAs around the country are facing a crisis.

AfroEcoFlush is the perfect accredited and Non-Toxic solution for households to maintain their Pit Latrines and ensure a more hygienic and dignified human waste management environment.

AfroEco Flush harnesses the power of specialised bacteria and enzymes that can quickly eat away at accumulated waste. AfroEco Flush is also:

- A certified, ready-to-use, non-toxic, harmless and safe product.
- Attacks untreated waste in pit toilets and converts it into treated liquids.
- Completely kills the unbearable smell within days of application.
- Breaks down all the organic matter in the untreated toilet.
- Eradicates possible overflow of pit toilets as solids become soluble.
- Gets rid of flies and maggots, thereby stopping the transmissibility of diseases and illnesses.

## Why you should use our green, enzyme-based sanitation products

Part of the facilities management role is ensuring the health and safety of employees. Traditional chemical cleaning agents are still widely used across many facilities. Our industrial products utilise natural eco-friendly processes to clean and deodorise in ways that are beneficial to the environment and your facility.

Our solutions work with specially selected bacteria and natural enzymes to break down dirt and grease into organic nutrients which are then released safely back into the environment.

Enzyme-based cleaners are especially useful for biofilm removal. By using green cleaning products, the number of cleaning products used can be reduced by 50 percent. The enzymes used in our products include:

### Protease

Breaks down proteins (e.g. meat, excreted/secreted proteins) into amino acids.

### Pectinase

Breaks down fruit and juice based stains.

### Cellulase

Breaks down cellulosic material.

### Mannanase

Breaks down mannans (food texturisers, thickeners).

### Lipase

Breaks down fats/grease into fatty acids and glycerol. If not broken down, fats can go rancid and lead to off-odours and blocked drains/fat grease traps.

### Amylase

Starch acts as a glue for dirt — amylases catalyse the break-down of starch into sugars which are then further used as a food source by the bacillus.

## We use the power Nature has to offer

Our products use the power nature has to offer, the power of enzymes to destroy bad bacteria, and remove dirt and organics. We use the most sophisticated enzymes available in South Africa to produce the ultimate green cleaning products.

In their natural environment, bacteria can produce hundreds of enzymes. They produce extracellular enzymes that break down proteins, starches, fats, oils, greases, urine, esters and toilet tissue into smaller particles outside the bacterial cell.

