

Safe Flush

naturally a better choice...

Safe flush **TGA Certified** it is a totally new concept in cleaning which tackles the problem of toilet cleanliness and hygiene in a persistent and environmentally responsible manner.

The 'Safe flush Dispenser System' consists of tablets of compressed per-oxy salts contained within a sealed dispenser which is placed within the toilet cistern/reservoir.

The salt slowly dissolves within the dispenser until a saturated solution is reached, releasing an active solution of **hydrogen peroxide**, the well known bleaching agent. The dispenser has been specifically designed to release the required dose of **active peroxide** into the last 6 litres of water when the toilet is flushed. All surfaces contacted by this solution undergo the oxidative effects of active oxygen, ie,



- Bleach – removal of stains and whitening
- Disinfect – active oxygen is a powerful germicide
- Soften water – prevents the formation of scale and mineral deposits
- Deodorize – via the oxidation of odour causing substances and bacteria.

Tests have shown that the Safe flush solution remains present and active in the bowl for at least 3 days; however it is reactivated with every flush. There is no release of solution unless the cistern is flushed, therefore no wastage occurs. The unique operation of the Safe flush dispenser gives 24 hour, round the clock protection.

Experiments using a strobe light have shown that after flushing a toilet with the lid open, a mist of toilet water is generated which hangs in the air for some minutes. This mist eventually settles over every surface surrounding the toilet, infecting these surfaces with large numbers of micro-organisms. Walls, floors, door handles, sinks and benches were all contaminated.

The Safe flush Dispenser System ensures that such bacterial populations within the toilet bowl are minimized and with time, eliminated. No other chemical is needed. To clean the toilet, simply flush. It is recommended to periodically brush some fresh solution onto non-contact surfaces around the bowl. Surfaces remain shiny and are less likely to mark. Old stains will disappear and even shale build up will gradually disperse.

Given that enough consumers were using the Safe flush products, there would be potential reductions in downstream treatment costs to council operated treatment facilities.

Breathe a little Oxygen into your washroom with ‘Safe flush - Urinal Blocks’

Safe flush urinal blocks are tablets of similar composition which are placed directly into the trough or urinal. The unique formula of the Safe flush - Urinal Block activates when water is released into the trough, eliminating the harmful odour causing compounds and bacteria which thrive in these areas.

The Safe flush solution continues to work through the drain pipes and breaks down the uric acid crystallisation in the “S” bend where bacteria and odours emanate.

TGA Approved

The Safe flush - Dispensing System has undergone extensive microbiological evaluations by an independent laboratory to TGA (Therapeutic Goods Administration) requirements in order to substantiate disinfectant claims – TGA Certified.

In one field trial carried out at the test laboratory, toilets were tested which were professionally cleaned twice each day on a routine basis, owing to the location and necessity for total hygiene in the laboratory area.



1. A swab test was taken under the rim of the test toilet prior to the installation of Safe flush. The initial microbial counts were **820 cfu** (colony forming units) per swab.
2. After installation of Safe flush, the cistern was flushed and left for 3 hours. Swabs were again taken from under the rim. Microbial counts had reduced to **72 cfu** per swab.
3. After 3 days of the toilet being locked and unused (with no further flushing) the same test was performed. The microbial counts had fallen further to **42 cfu** per swab.

The substances used to make Safeflush Products are considered “non-hazardous, the product is neither a “Scheduled Poison” nor a “Dangerous Good for the purposes of transport and storage”.

Safeflush is made from a peroxy salt which is considered to have a low acute toxicity (LD50 rat > 2000mg/kg). Safeflush does not contain harsh chemicals, artificial colours, perfume oils or abrasives. People with chemical sensitivities may find it to be a safer alternative to conventional products.

Safeflush products present no danger to end users and it does not require any special storage requirements other than being kept in a sealed dry container to extend shelf life.

Summary of features and benefits:

- Creates a clean anti-bacterial environment in the toilet.
- Removes the need to use any other harmful chemicals.
- Works automatically, 24 hrs a day for 3 months.
- Saves money. To obtain a similar level of hygiene using other products it will cost considerably more.
- Promotes effective cleaning. Surfaces become slippery and shiny. Very little sticks to them.
- Freshens air by neutralizing odours, not by adding another as a mask.
- Remedies odorous septic systems.
- Reduces dramatically the risk of disease cross-infection.
- Will not harm the toilet, surfaces or fittings.
- Breaks down any scale build up and stain that may have previously been present.
- Helps to clean and maintain sewer pipes and fittings – reduces corrosion.
- Gets under the rim (every flush) where others seldom get.
- No VOC's (Volatile Organic Compounds).
- Cleans and sanitizes without threatening human health or indoor air quality.
- Safe flush is TGA approved



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