

## TECHNICAL SAFETY DATA SHEET

### HD89 - BIO CLEANING SOLUTIONS - Odorite Bio Cube

#### Section 1. Product Description and Picture

##### Bio enzyme toss block for odour elimination in urinals

The Odorite™ Bio Cube has been specially designed to clean and to reduce odour problems in an environmentally friendly way, when compared to conventional chemical and or PDB Deo urinal blocks. Each biological block contains powerful biological cleaning agents, which are proven to maintain, clean and deodorise urinals, while also clearing the traps and pipes.

Data Sheet	
<b>Benefits</b>	<ul style="list-style-type: none"><li>• Removes the cause of odours</li><li>• Suitable for most types of urinals and troughs</li><li>• Prevents blocked traps and pipes</li><li>• Contains non-pathogenic microorganisms</li><li>• Contains a pleasant fragrance that aids in neutralising odours</li><li>• Cleans the urinal and freshens the toilet cubicle</li><li>• Nontoxic and harmless to the environment</li><li>• Non-irritant</li></ul>
<b>Features</b>	<ul style="list-style-type: none"><li>• Odorite™ Bio Cube is suitable for use in most types of urinals, and stainless steel, porcelain, and ceramic troughs</li><li>• Biological blocks should be used in washrooms/restrooms with a history of odour problems, cleaning or pipe and u-trap problems</li><li>• Odorite™ Bio Cubes are ideal for use in waterless urinals</li></ul>

#### Section 2. Product Characteristics

• Bacteria Counts	:	Total CFU count: $\geq 8,3 \times 10^8$ cfu/g
• Bacteria	:	Consortium of Natural Bacteria
• Appearance	:	Solid block
• Colour	:	Green
• Fragrance	:	Pine
• Weight	:	40g/block

#### Section 3. Packaging

- Available in 5kg plastic buckets containing 120 blocks of 70 g each

#### Section 4. Directions for use

- Place one Odorite™ Bio Cube in each urinal, or one every 50 cm in trough urinals
- Replace when block has dissolved to maintain maximum efficacy
- Odorite™ Bio Cube should last between two and four weeks depending on frequency of use

## Conventional product vs Odorite™ Bio Cube:

Conventional Deo Block (100 gram PDB)	Odorite™ Bio Cube (70 gram block)
Fragrance, colourants and PDB only mask the stale urine odour - there is no other benefit offered	Removes the organics that cause the odour and leave a fresh fragrance
The rapid diminishing fragrance combined with the stale urine odour makes it unbearable for visitors frequenting the urinal / washroom	Leaves the urinal and surrounding areas smelling fresh and clean for +/- 14 days
Deo block has a very short lifespan	Odorite™ Bio Cube lasts +/-14 days
Each individual deo block is inexpensive, however, this cost is increased due to its short lifespan and it being ineffectual	Cost per application per urinal per +/- 14 days translates to a substantial saving, gram for gram Odorite™ Bio Cube is more cost effective and preferred by the user of a urinal
Average number of deo blocks per month per urinal could be as high as 6 – 8 blocks	Average usage is 2 Odorite™ Bio Cube per month
Paradichlorobenzene is considered a health risk in many developed countries and by the World Health Organization (well documented)	Odorite™ Bio Cube contains a stable consortium of safe Bacillus spores - nontoxic and "GRAS" (Generally Regarded as Safe) certified (FDA documented)
PDB is a harsh chemical that will destroy healthy eco systems	Odorite™ Bio Cube enhances eco systems
PDB cannot eliminate odours, clean or protect the urinal system or the environment	Penetrates into cracks, crevices and pores of surfaces where organics accumulate, actually removing the organics to leave a visually cleaner surface Provides long-term odour control, removing the organics that cause odours and prevents the return of odour-causing compounds
PDB is at best a masking agent and a definitive VOC that has no beneficial working action in the urinal system	Has the ability to work under aerobic and anaerobic conditions
PDB breaks down the urinal systems biological stability	Odorite™ Bio Cube improves the urinal system's biological stability
The PDB block breaks down inconsistently and causes drain blockages thereby increasing the workload of cleaners	Reduces frequency of cleaning required
PDB cannot make claims relating to be cleaner, greener or safer as it is not cleaner, it damages the environment and it is regarded as a health risk nor can it clean the urinal	A Bio Cleaning Solution and the smarter option in any urinal system
PDB has been used for years and probably done a lot of damage to the environment; as a result it is now banned in most USA States as of January 2009	Odorite™ Bio Cube is a new innovation; it is the right product to use – not just for you but for the environment