



The Science Behind Odor Reduction with *Bacillus* for Tile and Grout

Not everyone has the best aim; it's inevitable that urine splashing onto the bathroom tile and grout is going to happen and unwanted odors will arise. The culprit is buildup of substances that come from urine, like urea and uric acid.

Facility owners must adopt solutions that address the root cause of restroom odors. Chemistry-based cleaners can be good to use, but may leave behind odor-causing substances in porous surfaces.

Bacillus-based cleaners offer a strategic approach by penetrating deep into surface pores, effectively reducing the presence of odor-causing compounds.

Supporting Bacterial Growth: *Bacillus* Use the Nitrogen in Ammonia

— *Bacillus* Assimilate Ammonia

- In order to grow and multiply, cells need nitrogen. As *Bacillus* assimilate more ammonia to help support growth, the result is odor reduction.
- This bacterial growth allows *Bacillus* to persist on tile and grout and continue to work longer than chemistry-based cleaners.

