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innovative chemistry for substrate solutions

Cleaning Grease with one product all surfaces



Heavy grease build up on the floor walls counter tops, hoods and cabinets can be really difficult to remove without the use of the right cleaner. There are many options for cleaning grease, particularly kitchen grease on the market today. Each has their benefits along with many warnings and limitations on what substrates they can or cannot be used. For example a product used for cleaning grease off a stainless steel hood cannot be used on wood cabinets. One cleaner good for quarry tile cannot be used on marble tile and so on. Faced with all these options and considerations for cleaning grease is there one right product for all surfaces? Biological cleaning solutions provide the best answer to this question. As long as the surface can be cleaned and not harmed by water then biological cleaners offer a superior alternative to chemicals used for cleaning grease in the kitchen and without all the limitations

Cleaning ceramic tile using microbe based cleaners

Grease spills, oil and sugary stains on the floor can be absorbed into the pores of porous or semi porous ceramic tile. They collect in the microscopic indentations and fissures of the hard surface. Even if your tiles are impervious, the grout is not, and it too can absorb grease. When the tile floor is not cleaned properly, the grease polymerizes and cakes up on the floor leaving it dingy-looking. It is important to select the right type of cleaning product to penetrate the grease and dirt without damaging and discoloring tiles

We see many options to clean tile and grout. Acid based cleaners including vinegar can damage the surface and leave it looking dull rather than clean and shiny. Bleach or ammonia-based cleaners can also be a problem. These products can discolor your grout if used too often. Even cleaning tiles with soap will leave a residue that will make the tiles appear dirty and slippery.



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Cleaning using microbes has many advantages over conventional based cleaner. Microbial cleaners are environmentally safe products that penetrate deep into the pores of surfaces to degrade a wide range of embedded residual soils which conventional hard surface cleaning solutions typically leave behind. Furthermore they continue to break down odour causing molecules even after surface cleaning has been achieved.

The Biological Cleaning Process

Cleaning ceramic tile by microbial cleaning is achieved by three major components within the product. The first is an emulsifier which breaks down the surface soils and the hydrocarbon down to molecular size. This is done in order to achieve the maximum surface area of the hydrocarbon to allow the microbes the greatest area of activity. In breaking down the dirt, fat and greases, the cleaning process begins. The second component of the liquid is a biocatalyst which provides extra oxygen for enhanced biological action and faster results. The third component necessary for cleaning grease is a select blend, natural, oil consuming microbes also added during manufacture. These microbes penetrate deep into the pores of the surface cleaning grease and embedded oils which conventional cleaning solutions typically leave behind.

Microbes are single celled bacteria. Even though they are simple organisms, they have devised a system to locate food and to distinguish one item from another. Different microbes have different foods of choice. CT-MicroClean FG developed by CoverTec Products LLC is a specific for cleaning grease. The strains we have selected for our product has been chosen for their affinity to the various forms of fat and grease that we want to clean and remediate. They are cultured microbes which are gathered from around the world. They are not genetically engineered.

Benefits of Biological cleaning

- **Natural Process**
- **Exceptional Cleaner**
- **Rapidly penetrates grease, animal and vegetable fat and oils**
- **No exposure to harsh chemicals**
- **Will not leave a residue**
- **Will not dull cleaned surfaces**
- **Can be used on multiple surfaces**