

BIO CLEANING SOLUTIONS

Odorite™ Grime Away Three Enzyme Concentrate Oven Deep Clean

Orange Terpene Multi-enzyme Oven cleaning technology for food manufacturing facilities, and all kitchens.



Quad-action **Odorite™ Ultra Deep Clean Enzymatic with Orange Terpene concentrated oven cleaner** is the latest oven, stove-top, and air-fryer cleaning technology innovation. The advanced formulation technology for removing greasy soils, oils, and fats provides superior, immediate cleaning surface soils comparable to the industrial-strength conventional chemical oven cleaners. The multi-enzymatic action penetrates deep into the surface's pores to attack and remove embedded residual soils. The orange terpene lifts and emulsifies the oils and fats away, creating a massive synergistic effect between the active ingredients.

Aerosolized grease and food spills collect particulate soils, contributing to surface grime build-up. Residual organics collect in the microscopic pores of the surface, cracks, and corners. Ovens, stoves, and air fryers are not clean if these embedded soils remain, and detergents alone cannot penetrate these layers of residual grime. The organic deposits pack deep into surface irregularities, producing malodours and supporting unwanted biofilm, insects, and harmful bacteria.

Odorite™ Grime Away Three Enzyme Oven Deep Clean removes this grime with quad technology unequalled by traditional surfactant chemistry. It combines superior surfactant technology with bio-enzymatic action. The enzymes within Odorite™ Grime Away Three Enzyme Concentrate Oven Deep Clean work to break down fats and grease while also breaking down starches, which act as glue, trapping dirt and other organics on the surfaces. This powerful combination with the orange terpene provides an exceptional ability to break down residual organic soils.

Regular use of **Odorite™ Grime Away Three Enzyme Concentrate Oven Deep Clean** removes layer upon layer of embedded grime while avoiding the traditional challenge of on food contact surfaces using biological cleaning. Continued use prevents future organic soil and grime build-up, keeping the surfaces deep-clean, odor-free, and controlling potentially harmful microorganisms and biofilm.

DATA SHEET

Benefits

Features

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| <ul style="list-style-type: none"> • Specifically designed for cleaning food facilities' kitchens, ovens, and air fryer surfaces • Deep-cleans surfaces by removing the grease and grime that collects in the surface's pores. • Eliminates the greasy coating that causes slipperiness. • Improves freshness by controlling odors from residual organics packed into irregular surfaces. • Degrades residual organic soils that help support insects and other unwanted pests. • Breaks down biofilm. | <ul style="list-style-type: none"> • Specifically selected highly effective enzyme combination to remove protein, fats, grease, and starch-based stains • A proprietary inhibitory system that provides excellent product stability • Readily biodegradable surfactants for improved cleaning • Product is compatible with existing biological-based fat/grease trap treatment products and will ensure higher throughput on the grease traps as the fats/grease will be pre-digested. |
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The primary mechanism of enzyme action:

Enzyme-based cleaners are especially useful for biofilm removal. Bacteria are somewhat tricky to remove with traditional alkaline or acid cleaners. Enzyme cleaners are more effective on biofilms since they work as proteases by breaking down proteins at bacterial attachment sites. They work at maximum efficiency at high pH and temperatures below 60°C. Enzyme cleaners are an increasingly attractive alternative to traditional chemical cleaners because of biodegradability and other environmental factors, such as reduced wastewater generation and energy savings from cold water. They are typically less expensive than alkaline or acid cleaners.

Enzymes vs. Traditional Chemistry

Unlike traditional chemistry that lifts and holds soil particles in suspension, suitable enzyme detergents dissolve soil in an irreversible reaction.

Benefits of Green Worx CS multi-enzymatic compounds

- Not all enzymatic detergents display high enzymatic activity. Green Worx has the know-how to achieve high enzymatic activity across a broad biofilm matrix and organic matter spectrum.
- Continuously remodeled, specific matrix compositions require differentiated enzyme compounds to break them down (e.g., Proteases for proteins, Amylases for starches, Lipases for fatty matter). Green Worx detergents contain additional enzyme compounds.
- Multiple enzymes are difficult to stabilize, and types and concentrations are crucial to achieving efficacy across broad spectra of soil and biofilm matrices.
- When combined with a biocide, enzymatic activity is compromised. Proteins (enzymes are proteins) are partially inactivated by positively charged biocides (quaternary ammonium) due to charge interaction.

Available packaging:

- 5- and 25-liter container(s)

Recommended dilution directions for concentrate:

- **Odorite™ Grime Away Three Enzyme Concentrate Oven Deep Clean** can be diluted for various applications.
- For intense deep cleaning purposes, it is recommended to dilute up to 1:30 (i.e., 1-part **Odorite™ Grime Away Three Enzyme Concentrate Oven Deep Clean** added to 29 parts water)
- The mixing solution is a guideline and is dependent on the required application and your evaluation of dirt to be cleaned.
- The recommended dilution for general maintenance cleaning is 1:100 (i.e. 1-part **Odorite™ Grime Away Three Enzyme Concentrate Oven Deep Clean** added to 100 parts water)
- Allow a few minutes for activation time.
- Your standard disinfection/sterilization regime can be followed once the surfaces have been cleaned.

PRODUCT CHARACTERISTICS

- **Enzyme Type** : (the highest enzyme activity counts available in South Africa).
 - ✓ **Protease** – breaks down proteins (e.g., meat, excreted/secreted proteins) into amino acids. Protease Activity: 68000 APU/gm
 - ✓ **Lipase** – breaks down fats/grease into fatty acids and glycerol. If not broken down, fats can go rancid & lead to off-odors and blocked drains/fat grease traps. Lipase Activity: 72000 BLU/gm

- ✓ **Amylase** – starch acts as a glue for dirt – amylases catalyze the break-down of starch into sugars which are then further used as a food source by the bacillus. Amylase Activity: 8000 BAU/gm
- ✓ **The Orange Terpene** is a 100% natural citrus cleaner based on the natural solvent extracted from the peel of citrus fruits. It is a highly concentrated, water-based solvent solution for domestic, janitorial, and industrial cleaners and degreasers.
- ✓

- **Salmonella** : Not detected
- **pH** : 8.5 - 9
- **Appearance** : Clear liquid
- **Fragrance** : Natural Citrus fragrance
- **Stability** : Stable at 65° C
- **Shelf life** : Two years at room temperature (25° C)

Storage and handling:

- Always store in a cool, dry place
- Avoid eye and skin contact.
- Wash hands thoroughly with warm, soapy water after handling.

Toxicity testing conducted by an outside laboratory revealed no acute oral toxicity, no acute dermal toxicity, and no acute inhalation toxicity at the maximum dose.

Bio Cleaning Solutions means Green Technology.

This unique formulation meets the criteria for a cleaner, greener, smarter program for green technology. The bio-cleaning solutions designation is used for formulations that utilize biodegradable surfactants at a neutral pH, contain no phosphates, no solvents, and low concentrations of volatile organic compounds (VOC); therefore, it is safe for the user and the environment.

To our knowledge, the information in this leaflet is true and accurate. Still, any recommendations or suggestions that may be made are without guarantee since the conditions of use are beyond our control. No license or immunity under any patents is granted or implied. **Green Worx CS does not guarantee that the above products can be used as described without prior positive testing or that these products do not infringe third parties' patent rights.**

Manufactured and supplied by **Green Worx Cleaning Solutions**

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