



CLEAN STEP™ MULTIPURPOSE CLEANER

What Makes Clean Step™ a Superior High-Performance Cleaner and Sanitizer Over Most Others?

Clean Step™ is a government approved concentrated multipurpose cleaner, degreaser, and sanitizer that will replace all other floor cleaners and degreasers. Clean Step™ can be used to clean and sanitize all surface types, eradicating bacteria and viruses, including the **novel Covid-19 coronavirus**.

Clean Step™ was originally created for cleaning all **Safe Solution®** treated surfaces. The **Safe Solution®** Anti-Slip Treatment is our primary product – a laboratory engineered anti-slip chemical solution designed to create invisible microscopic channels on hard mineral surfaces. Because we are affecting the surface on the microscopic level, and the **Safe Solution®** is not a coating, we required a virtually residue free cleaner that was gentle enough to clean the microscopic channels of the treated surface, without clogging them up, yet tough enough to effectively clean any surface.

Clean Step™ has four main components, with blended surfactants, formulated to assist in all areas of commercial and residential cleaning and degreasing. The raw materials are for the most part completely independent standalone items, but as a blend have a synergistic effect – i.e. they combine in new and innovative ways helping each other work more effectively.

- a) **Specialized Surfactants (2)** - Work at breaking down the greases and oils into uniform and small (head of a pin) size globules. When it has done that, the surfactant surrounds the soil with a thin film that repels other globules, thereby not allowing the grease or oil to recombine into a large mass. This makes it easier for the water to rinse away the soil and not allow it to redeposit on the surface.
- b) **Sequesterant** - This is a water softener that ties up the water minerals so they will not interfere with the action of the other raw materials.
- c) **Organic Solvents** - This helps to soften hard greases and oils that may have hardened due to age or temperature. The softer surfaces are more receptive to the actions of the other raw materials.
- d) **Alkalis (2)** - These additions work by converting the major components of greases and oils (fatty acids) into forms of soaps; thereby, creating another cleaning agent and by converting a water insoluble soil into a water soluble cleaner.

With all these different components working together, Global has created a superior industrial strength cleaner with an ability to clean a greater number of soil types. Clean Step™ replaces all other floor cleaners and degreasers, and contains a quaternary compound that sanitizes as it cleans.

OTHER CLEANING PRODUCTS ON THE MARKET:

Bleach - Primarily we are seeing this used in restaurants. Bleach is **NOT** a cleaner. Bleach is only a sanitizer. If it were a cleaner, people would use it only and not detergents in laundry. In fact, this misconception has grown and grown,

Cleaner is Safer™

creating some confusion with restaurant owners. Grease is removed from a floor only when the grease molecules are encapsulated and capable of being flushed away with water. Bleach will NOT do this function. After cleaning with bleach, you will have a chlorine odor and the floor will be coated with a sanitized film of grease and kitchen matter. This will not promote a safer floor surface. Bleach will not stop the floor from becoming less slippery; it actually contributes to a slippery floor. Everyone is walking on a surface of grease.

Disinfectants - We sometimes run into heavy-duty disinfectants (quaternary disinfectants) that are primarily used in hospitals or areas where you might have high bacterial counts and want to make sure of a good pathogen kill. This type of product usually has a limited amount of ingredients used for actually cleaning. They should be used on surfaces that are cleaned ahead of time or cleaned so regularly that soil cannot build up. **Clean Step™** is the opposite, as it has a large component of cleaning items and a smaller amount of disinfectant (1%). In short, their product is a disinfectant/cleaner we have a cleaner/disinfectant. This disinfectant/cleaner type product under-cleans and is a massive overkill for what any hotel or recreational facility needs.

Hi-Residue Cleaners, Abrasives Cleaners, Powdered Cleansers, & Creams - These types of topical, detergent, and abrasive based or high viscosity cleaning products can leave a soapy film or heavy residue behind. These types of products will combine with the grease and other contaminants to form a film or coating on the top of a floor, rapidly diminishing traction and deterring the anti-slip properties of a nonslip surface. Some of these products will also cause extreme soil build-up, trapping and sealing the dirt with each cleaning.

The objective is to provide a biodegradable and nontoxic cleaner that tackles the toughest commercial kitchen floor, to the gentle cleaning of a high polished granite floor, and is superior to the vast majority of general-purpose cleaners available on the market, and a cleaner that will not interfere with the anti-slip properties created by the **Safe Solution®** Anti-Slip Treatment. Our dilution capabilities make it a cost effective and efficient daily cleaning regimen for a myriad of industrial, commercial, and residential uses.

Cleaning Dilution and Dispensing – To eliminate confusion and for simplification, we have suggested for ceramic tile cleaning that when used in a wringer pail the following dilutions be used:

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| 1. Daily Floor Cleaning & Sanitizing | Add ½ cup Clean Step™ to 2 gallons of water |
| 2. Weekly Floor Cleaning & Sanitizing | Add ¾ cup Clean Step™ to 2 gallons of water |
| 3. Heavy Duty Degreasing | Add 1 ½ cup Clean Step™ to 2 gallons of water |

(Please note: for daily cleaning of all other floor types cut above amounts of Clean Step™ in half)

Clean Step™ is considered a Floor Care Safety cleaner that can be used in mop buckets, foaming devices, auto scrubbing machines, pressure washers, and spraying apparatus, and is used for everyday regular cleaning as well as some of the toughest cleaning jobs that are out there.

“A cleaner surface is a safer surface™”.

On behalf of the Global Floor Safety Network,

Global Safe Technologies Inc.

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