



# Flexiclean™ HWCC

Hard Wood Cleaner Concentrate

## Overview

- Hard Wood Cleaner Concentrate
- Safe and convenient to use all-purpose cleaner
- Anti-resoil ingredients for stay cleaner longer appearance
- Use to safely clean wood floors, furniture, cabinets and no-wax floors
- Gentle cleaning power with a biodegradable and phosphate-free formula
- Convenient formula for multi-surface cleaning of counter tops, vinyl and leather
- Contains no harsh detergents, ammonia, or bleach
- Leaves no waxy build-up

## Applications

- Hard Wood floors
- Cabinets, counters and tables
- Linoleum and vinyl composition flooring
- Paneling and walls
- Leather and vinyl coated fabrics
- Recommended for cleaning any water-safe surface

## Technical Information

Flexiclean HWCC is a dilutable concentrate ideal for cleaning finished wood floors, furniture, and cabinets. Formulated for use on multiple surfaces to safely clean no-wax floors, tile, painted surfaces, laminates, marble, linoleum/vinyl, fabrics, and more. Most wood floors are coated with either a penetrating oil or a surface finish such as polyurethane, and cleaning hardwood floors with HWCC is safe as long as the surface is finished and not water sensitive.

Gentle cleansing conditioners in Flexiclean HWCC remove fingerprints, smudges and dirt from wood floors, furniture, cabinets, paneling, and non-wood surfaces such as vinyl and leather. HWCC cleans, lifts dust, and leaves behind a micro-protective surface that resists resoiling in one easy step to keep surfaces clean and dust free longer. Leaves no waxy build-up.

## Formulary

Flexiclean HWCC is a 1:8 concentrate for dilution and packaging for a 16 ounce per gallon consumer-ready product.

Before cleaning wood with any product, it's a good idea to test the surface first with plain water in a hidden area. Discoloration or dulling indicates the wood may be waxed or needs refinishing. As with all cleaning products, do not use on unfinished, unsealed, or waxed wood surfaces because they may be water sensitive.

Flexiclean HWCC cleans away wax buildup, so you may want to reapply wax after use.

## Typical Properties

| PROPERTY         | VALUE                             |
|------------------|-----------------------------------|
| Appearance       | Slightly hazy, pale yellow liquid |
| Odor             | Mild                              |
| Ionic character  | Anionic                           |
| Water solubility | Soluble                           |
| pH (0.125% aq.)  | 9.5±0.5                           |
| Density@25°C     | 1.11±0.02                         |
| Boiling Point    | 100°C                             |
| Flash point      | None (aqueous)                    |
| Storage          | Stable to freezing                |
| Shelf life       | 12 months                         |

## Packaging and Handling

Flexiclean HWCC is available in:  
275 gallon totes (Net Wt. 2250 lbs)  
55 gallon plastic drums (Net Wt. 450 lbs)  
5 gallon pails (Net Wt. 40 lbs).

Refer to Material Safety Data Sheet (MSDS) for information on the safe use, handling, and disposal of this product.

DOT Classification: Non-Regulated.

Whether you're looking for a replacement product, or an ingredient for a specific attribute, give us a call. We can provide assistance based upon your particular formulation requirements and composition; please feel free to contact us.

*Please refer to back page for important information*

## Flexiclean HWCC: Resistance to re-soiling

Flexiclean HWCC is a cleaner concentrate based on gentle, phosphate-free cleansing ingredients that effectively clean multiple surfaces including hard wood surfaces while imparting a resoil effect for a stay-clean-longer appearance. Built with unique anti resoil ingredients, HWCC leaves behind a micro-protective hydrophilic surface that resists resoiling. The HWCC hydrophilic properties impart a charge dissipating anti-static effect that allow the cleaned surface to remain clean longer because oily (hydrophobic) soils and ionic dust particles are less attracted to the surface.

### Oily soil

Resoil, when it comes to cleaning products, refers to the tendency of the cleaned surface to resoil, largely due to films and cleaning product residue left behind after cleaning. Residual soaps and detergents on carpeting for example, can have the unintended effect of “cleaning the bottoms of peoples shoes” as they walk across a freshly cleaned carpet. In hard surface cleaners and polishes, the after cleaning shine may be a result of a hydrophobic oily residue from cleaning solvents, waxes and silicone gloss enhancers that will attract oily residue from spills or oily vapors, such as those from cooking, or just greasy fingers...oils attract oils. Flexiclean HWCC is a low-residue cleaner that doesn't leave an oily soil attracting film, but leaves a hydrophilic micro-protective surface that resists oily hydrophobic soils, and allows cleaned surfaces to show their natural shine.

### Dust and particulate soil

Dust build-up is largely due to static attraction where a surface develops a static charge, an extreme example being a tv or computer screen, that attracts charged particles from the air such as particulate soils, for example from combustion, or “simple” dust. Of course dust is not simple at all, and is in fact hugely diverse. The biggest particles are more than 2 millimeters across; the smallest, less than 0.1 micrometers, and comes from natural sources such as soils, volcanoes, deserts, pollen and garden variety dirt. The human contribution is far smaller, but responsible for some of the nastier little particles, including those from car exhausts, industrial emissions and things common in most houses like pet hair, bedding, carpet, plaster and paint, crumbs of food, and natural things like dead skin cells. The hydrophilic micro-protective surface imparted by Flexiclean HWCC retains a static charge-dissipating surface that is resistant to static charge and static soiling, keeping dust away.

*The following example formulation illustrates the simple preparation of a Consumer-Ready concentrate:*

| Consumer-Ready Cleaner Concentrate                                                                                                                                                                                                                                                                                                 |        |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|
| Ingredient                                                                                                                                                                                                                                                                                                                         | Wt. %  |
| Water                                                                                                                                                                                                                                                                                                                              | to 100 |
| Flexiclean HWCC                                                                                                                                                                                                                                                                                                                    | 8.0    |
| Dye/Fragrance/Preservative                                                                                                                                                                                                                                                                                                         | q.s.   |
| 2 cups per gallon concentrate (16 ounces per gallon) for gentle, low-residue cleaning of hard wood surfaces. Leaves surfaces clean and resoil resistant.                                                                                                                                                                           |        |
| Before cleaning wood with any product, it's a good idea to test the surface first with plain water in a hidden area. Discoloration or dulling indicates the wood may be waxed or needs refinishing. As with all cleaning products, do not use on unfinished, unsealed, or waxed wood surfaces because they may be water sensitive. |        |
| HWCC leaves no soil attracting residue behind, so rinsing is not necessary. Be sure to follow label directions for best results. Always remove excess water.                                                                                                                                                                       |        |

The substances in Flexiclean HWCC are listed on the TSCA inventory, and are listed on the following Inventories: Canada (DSL), Europe (EINECS), Australia (AICS), China (IECSC), Korea (ECL), New Zealand (NZIoC), Philippines (PICCS)

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