

LDC is the mildest, most versatile household cleaner available today. It can be used to wash dishes, hand-washable lingerie, sweaters, kitchen counters, stove tops, refrigerators, and many other soiled surfaces. The key to LDC's powerful cleansing action is its very concentrated surfactant system.



NeoLife Scientific
Advisory Board

#4210 - 1 Liter



Why LDC?

- **Completely free-rinsing.**
- **Digs out dirt.**
- **Gentle** enough for fine fabrics, personal care.
- **Economical:** dilute for months of household use.
- **Versatile:** cleans your house, laundry and automobile.
- **Phosphate-free.**
- **Biodegradable.**
- **Makes water “wetter”** and penetrates grease.

Three Active Surfactants

Three surfactants are combined to form a high foaming, mild detergent system with excellent cleaning capabilities. The highly-concentrated system also allows LDC to be diluted with water 3-to-1, or more for some jobs, and still act as a very effective cleaner.

Unique Triple-Action Formula

The three surfactants are a class of chemicals known as “surface-active agents”. This group of chemicals acts as emulsifiers, solubilizers and wetting compounds. The surfactant molecule has an oil-soluble (hydrophobic) portion at one end and a water soluble (hydrophilic) portion at the other end. This enables the surfactant to surround the oil and have its hydrophobic portion in the oil and its hydrophilic portion in the water. With this arrangement, the surfactant can suspend oil in water, which is called emulsification.

These surfactants are not only excellent emulsifiers, they also reduce the surface tension of water. Surface tension is the reluctance of water molecules to break apart, and is the reason water forms beads on hard surfaces and allows small soil particles, fabric or string to remain on the surface of the water. Surfactants dramatically reduce the surface tension of water, allowing the “wetter water” to penetrate fabric and spread evenly on hard surfaces.

Reduces Surface Tension

The reduction of surface tension enables diluted solutions of LDC to penetrate soils on hard surfaces and in fabrics. When the diluted LDC has penetrated the soils, it begins to emulsify and solubilize the soil. With some mechanical action, such as washing dishes, scrubbing fabric, etc., the soil is lifted off the surface and emulsified or solubilized in the wash water.

LDC's voluminous foam is an indication of its activity. As LDC emulsifies and suspends increasing quantities of soil in water, the foam will eventually disappear. At this point, all of LDC's surfactants are working in the solution to suspend soil in the wash water.

Completely Water-Soluble

LDC has a pH of 7.00 and is completely water-soluble. It rinses away completely, leaving no soapy film. Use it to wash your car's windows or your walls and woodwork. With no rinsing or buffing, surfaces will dry free of annoying films and streaks.

Turn LDC's detergent action loose on tough jobs too! Its quick-acting surfactants lift off burnt-on food on pots and pans, opens drains, and even help your weed killer penetrate the ground faster.

Even with all its power, LDC is still gentle on your hands, safe for your family's world.

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How to Use LDC

Since LDC is concentrated, for best results dilute before using according to the General Cleaning ratios below. You can use LDC anywhere you have a cleaning need!

- **General Cleaning:**

- **1:3 ratio:**

- **Mixing Bottle (8 oz/240mL):** About 2 oz/60mL of LDC, and fill with water. This dilution will be used more often in hard water locations.

- **1:5 ratio:**

- **Spray Bottle (22 oz/650mL):** About 3.5 oz/100mL of LDC, and fill with water.

- **Mixing Bottle (8 oz/240mL):** About 1.5 oz/40mL of LDC, and fill with water.

- *Adjust as needed according to water hardness in your area.*

- *Note: Mixing Bottle can be used to dispense drops of LDC. Keep this bottle handy in your kitchen or bathroom to tackle many cleaning jobs.*

- **Light Duty Cleaning:**

- **1:10 ratio:**

- **Spray Bottle (22 oz/650mL):** About 2 oz/60mL of LDC, and fill with water.

Where to use LDC:

- **Bathroom:**

- **1:5 ratio:** Sinks and tubs

- **Home:**

- **2 drops in 22 oz/650mL in a spray bottle or bowl:** Jewelry

- **3 drops in 22 oz/650mL in a spray bottle:** Windows

- **1:3 ratio in Mixing Bottle:** Walls

- **3-4 capfuls in 1½ gallons/3.8L hot water:** Wallpaper removal

- **Kitchen:**

- **1:5 ratio:** Chrome fixtures, kitchen appliances, kitchen cabinets and shelves (LDC will not remove paint unless water alone will remove it. Test painted surfaces with water first.)

- **1:3 ratio in Mixing Bottle:** ½ capful in a sink full of water, or use directly on a wet sponge to clean ceramic dishes, pots and pans, glassware, flatware

- **Laundry:**

- **½ capful in a sink full of cold water:** Lycra®, cotton, nylon, polyester, rayon, Spandex®, delicates, fine cottons, knitwear, linen, synthetics, wool

- **Living Room:**

- **1:3 ratio in Mixing Bottle:** ½ teaspoon per 1L of water:

- Dusting

- **1:5 ratio:** Woodwork (LDC will not remove paint unless water alone will remove it. Test painted surfaces with water first.)

- **Outside Home:**

- **1 capful in a quart of weed killer solution:** Weed spraying

- **Personal:**

- **1:3 ratio in Mixing Bottle:** Use a few drops as a hand cleaner.

Refer to Golden Home Care Comprehensive Cleaning Instructions for more information on cleaning other areas of your home.



LDC

Concentrate • Concentrado • Concentré



- Effective in both hot or cold water. Gentle and safe on hands. Eco friendly, biodegradable, phosphate free

- **Diluted**

- GENERAL CLEANING: 1:5 mix (1 part LDC, 5 parts water) concentrate more as needed

- DISHES: ½ capful in sink full of dishes

- LAUNDRY: ½ capful in sink of cool water, rinse thoroughly

- WINDOWS & MIRRORS: 2 drops in 16 oz. spray bottle with water

- YARD & WORKSHOP: 1:10 mix

- Full strength: Apply with wet sponge to clean walls, woodwork, vinyl, countertops, appliances, bathroom fixtures, tile, and greasy hands.

- Igualmente efectivo en agua fría o caliente. Suave y seguro en las manos. Eco amigable, biodegradable, sin fosfato

- **Diluir**

- LIMPIEZA GENERAL: Mezcla 1:5 (1 parte LDC, 5 partes agua) concéntralo más según sea necesario

- PLATOS: ½ taza en el lavabo lleno de platos

- LAVAR: ½ taza en el lavabo con agua fría, enjuague bien

- VENTANAS Y ESPEJOS: 2 gotas en una botella de spray de 16 oz con agua

- PATIO Y TALLER: mezcla de 1:10

- Potencia completa: Aplique con una esponja mojada para limpiar paredes, piezas de madera, vinilo, mesadas, electrodomésticos, accesorios del baño, baldosas, manos grasosas.

- Efficace à la fois en eau chaude ou froide. Doux et sûr pour les mains. Ecologique, biodégradable, sans phosphates

- **Utilisation après dilution**

- GRAND MÉNAGE: mélanger à raison de 1:5 (1 partie de LDC dans 5 parties d'eau) ou l'utiliser à une plus forte concentration, selon le besoin.

- VAISSELLE: ½ bouchon pour un plein évier de vaisselle

- LESSIVE: ½ bouchon dans un évier d'eau froide; bien rincer

- FENÊTRES ET MIROIRS: 2 gouttes dans un vaporisateur de 16 oz avec de l'eau

- COUR et ATELIER: mélanger à raison de 1:10

- Utilisation sans dilution: Appliquer à l'aide d'une éponge humide pour nettoyer les murs, boiseries, vinyles, comptoirs, appareils, accessoires de salle de bains, carrelage, ainsi que les