



*Condusol is the key to high quality cleaning in all petroleum solvents.*

# Condusol®

## Charge Process Detergent for Hydrocarbon Systems

*The Key to Cleaning Quality™*

- **Maximum Detergency**

Condusol is concentrated, yet light in color. Condusol is used at a charge concentration of 2% to provide outstanding detergency without the need for a separate rinse.

- **Unlocks Water-Soluble Soil**

Solvent alone cannot remove water-soluble soil. Safe and effective removal is accomplished only when a detergent can put moisture to work. Condusol is designed specifically to provide the rapid exchange of water between fabric and charged solvent that is necessary to clean away water-soluble soil, and do it without causing wrinkling or other fabric damage.

- **Can be Used With Automatic Moisture Controls**

Powerful moisture-handling capabilities make Condusol ideal for use with automatic moisture controls which continuously monitor solvent humidity. Additions of controlled amounts of moisture optimize the safe removal of water-soluble soils and stains.

- **Controls Free Moisture**

Uncontrolled (free) moisture serves as a breeding ground for bacteria. Condusol is formulated to effectively control moisture. This helps prevent the formation of unpleasant solvent and garment odors.

- **Minimizes Static Cling and Lint Problems**

Condusol has outstanding static control properties to minimize lint problems and static cling. There's less need for manual lint removal and

your customers will love how their garments resist clinging and lint.

- **Helps Prevent Redeposition**

With its excellent soil suspension properties, Condusol suspends loosened, insoluble soils so they can be carried away from garments to the filter for safe removal from the solvent. Your customers' clothes will be cleaner and brighter.

- **Easy to Use**

There's no easier way to use a detergent than to simply maintain a constant concentration in the work solvent. Once the initial Condusol charge has been established, one need only make periodic additions for new, distilled, or reclaimed solvent.

- **The Charge Can Be Accurately Tested**

Every quality drycleaning operation requires exacting quality control. The Condusol charge can be tested quickly and easily to ensure consistent cleaning performance.

- **Approved for High Flash Point Petroleum Solvents**

Since Condusol does not contain any low flash point solvents, it is particularly well suited for use in machines employing the newer high flash point petroleum solvents.



**How to Use Condusol in Your Charge System.** To ensure maximum soil removal, whiteness retention, stain removal, and control of static and lint, a Condusol concentration of 2% should be used. This concentration also provides the maximum degree of safety and protection against wrinkling, shrinkage, and redeposition.

**Adding Condusol for the First Time.** To determine the amount of Condusol necessary to charge a system to 2% concentration, first calculate the number of gallons of solvent in the system. To arrive at the total, add the volume of solvent in the working tank to that estimated to be in the filter and piping.

Then, use the table below to determine the amount of Condusol for that volume of solvent. If the total volume of solvent in the system differs from the amounts listed in the table, simply add two or more volumes together to get the desired number.

<b>Gallons of Solvent</b>	10	25	50
<b>Condusol to be Added</b>	26 oz.	64 oz.	1 gal.

**Maintaining the Condusol Charge.** Dilution of the detergent concentration occurs whenever new, distilled, or reclaimed solvent is added to the working tank. Use the table to determine the amount of Condusol needed to restore the charge.

**It's Easy to Remember!** For every 10 gallons of solvent, add 26 ounces of Condusol.

**Maintaining the Condusol Charge Based on Pounds Cleaned.** If solvent is returned directly to the working tank throughout the day, then daily maintenance of the charge can be a simple matter of adding Condusol based on pounds cleaned.

**Follow the Simplified Table for Pounds Cleaned.** On average, 2.5 gallons of solvent is replaced for every 100 pounds of clothes that are dried. To that 2.5 gallons, add the number of gallons normally returned from other sources, (such as distillation if applicable) per 100 pounds of cleaning.

### Simplified Additions Table

Solvent Turnover gals./100 lbs. cleaned	3	4	5	6	7
Condusol Addition oz/100 lbs. cleaned	8	10	13	16	18

*This simple method of making Condusol additions can be verified periodically using the Condusol Test Kit.*

### IMPORTANT PROCESS OPERATING REQUIREMENTS

To obtain high quality cleaning performance in any cleaning process it is important not to compromise the basic tenets of good drycleaning process design. Therefore when operating your Condusol process, adherence to well-established standards for running time, optimum solvent maintenance, moisture management, and load classification will help ensure superior cleaning results.

#### Cleaning Cycle Times

For normally soiled classifications, a cleaning time of 20 to 25 minutes is essential for consistent results. While longer than necessary in perchloroethylene systems, this additional time is needed because the specific gravity and Kb values of petroleum solvents are considerably lower than for perchloroethylene.

Therefore, longer cleaning cycle times are needed to achieve the necessary mechanical action and solvency for equivalent soil removal.

### Solvent Maintenance - Filtration and Distillation

The removal of solvent-soluble soils in the drycleaning process results in the accumulation of contaminants in the solvent. These solvent-soluble contaminants build up in the system, and if not controlled, can lead to solvent odors, streak and swale formation and inefficient drying. To control these contaminants it is necessary to replace solvent in the working tank with new, reclaimed and distilled solvent at a rate of 7 to 10 gallons per 100 pounds of clothes cleaned. Since new make-up solvent and reclaimed solvent typically account for less than half of this requirement, the balance must come from distillation or solvent replacement.

Top cleaning performance also requires that the process be designed to ensure thorough removal of insoluble soils and dyes. Therefore, the filtration portion of the process should incorporate good filtration design including the provision for adequate flow rates and the use of activated carbon. In order to avoid problems such as static, lint and poor soil removal, the use of activated clay filtration aids should be avoided. While these adsorptive agents are intended to remove dissolved impurities, they are relatively ineffective at removing greases and oils, and unable to distinguish between those undesirable contaminants and the necessary solvent additives such as detergents and fabric finishes.

### How to Order Condusol

Condusol is sold by authorized Street's distributors everywhere. Condusol is available in five gallon pails, and 15, 30, and 55-gallon drums.

*Before using any chemical product, review the Material Safety Data Sheet (MSDS) for safe handling and proper disposal.*

*For professional drycleaning and laundry use only.*

