EVEREST

Refreshingly Clean™

EVEREST brings your cleaning quality to new heights.

Charge Process Detergent for High Flash Point Hydrocarbon Systems

Cleaning in today's new technology hydrocarbon systems can be considerably different than conventional petroleum solvent drycleaning. Enclosed system design, and odorless, higher flash point solvent are two major important changes presenting new operational challenges. **EVEREST** has been specifically formulated to help you meet those challenges.

Effective moisture management, reducing the formation of unpleasant solvent odors, minimizing lint and static, and controlling redeposition are some of the challenges **EVEREST** will overcome to deliver consistently clean, fresh and bright garments.

EVEREST has been formulated for use in dry-to-dry hydrocarbon machines and can be used with any brand of high flash point hydrocarbon solvent. So bring your cleaning quality to new heights by making **EVEREST** part of your hydrocarbon cleaning process.

• Provides Excellent Moisture Management

Some water is necessary to remove water-soluble soil from garments. However, unless this moisture is under control, it can do more harm than good. **EVEREST** controls moisture by solubilizing it, thus allowing a safe exchange of water between the fabric and charged solvent, which is necessary to flush away water-soluble soils.

• Formulated to Control Solvent Odors

A buildup of bacteria in your drycleaning system can cause unpleasant solvent and garment odors. Bacteria live and breed in free moisture and feed on the hydrocarbon solvent and impurities contained in it. **EVEREST** controls free moisture, thus eliminating the breeding ground for odor causing bacteria.

• Helps Prevent Redeposition

Cleaning with hydrocarbon solvent requires extended cleaning cycles as compared to perchloroethylene cleaning. Therefore, garments are exposed to insoluble soils over a longer period of time. **EVEREST** keeps this soil from redepositing, resulting in consistently cleaner looking garments.

• Helps Eliminate Static Cling

Few things are more frustrating than garments clinging together when unloading the wheel. When used as directed, **EVEREST** helps eliminate static generated in the wheel, so garments come out static-free. Clothes are easier to handle when pressed, and customers appreciate the absence of static cling.

• Reduces Lint Formation

Where there is static, there is lint. By eliminating static, garments are less likely to attract lint in the wheel or when moving through the plant. As a result, you'll save time and labor in manual lint removal, and your customers will enjoy garments that resist attracting lint.

• Helps Keep Odorless Solvents Odorless

EVEREST is free of aromatic solvents commonly found in traditional petroleum detergents. **EVEREST's** virtually odorless formulation does not change or alter the original smell of odorless solvent in use.

• Does Not Lower Solvent Flash Point

EVEREST's flash point is over 200°F (93°C), well beyond that of high flash point solvents used for drycleaning.

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Instructions for Using EVEREST®

How to Use EVEREST in Your Charged System

To ensure maximum soil removal, whiteness retention, stain removal, and control of static and lint, an **EVEREST** concentration of 1-1/3% should be used. This concentration also provides the maximum degree of safety and protection against wrinkling, shrinkage, redeposition and the accumulation of free moisture.

Adding EVEREST for the First Time

To determine the amount of **EVEREST** necessary to charge a system to a 1-1/3% concentration, first calculate the number of gallons or liters 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 to determine the amount of **EVEREST** to be added 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 proper amount.

US Measures		Metric Measures	
Volume of solvent in system	EVEREST to be added	Volume of solvent in system	EVEREST to be added
10 gal.	**17 oz**	5 L	**65 mL**
20 gal.	**43 oz**	10 L	**130 mL**
25 gal.	**1 qt, 11 oz**	50 L	**650 mL**
50 gal.	**2 qt, 21 oz**	100 L	**1.3 L**
100 gal.	**5 qt, 11 oz**	500 L	**6.5 L**
200 gal.	**10 qt, 21 oz**	1000 L	**13 L**

First Time EVEREST Addition Table

Maintaining the EVEREST 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 **EVEREST** needed to restore the charge.

It's Easy to Remember!

For every 10 gallons of solvent, add 17 oz. of **EVEREST**.

For every 10 liters of solvent, add 130 mL of **EVEREST**.

Maintaining the Charge Based on lbs/kg 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 **EVEREST** based on the number of pounds or kilograms cleaned and normal solvent turnover.

On average, 2.5 gallons of solvent are reclaimed for every 100 lbs (or about 20 liters for every 100 kg) of clothes that are dried. To that 2.5 gallons (or 20 liters), add the number of gallons (or liters) returned from other sources, such as distillation or new solvent additions, per 100 lbs (or per 100 kg) of cleaning. The total of these dilution sources is called "solvent turnover." Use the ***Solvent Turnover Per lbs/kg Cleaned Table*** to determine the correct **EVEREST** dosage.

Solvent Turnover Per Lbs/kg Cleaned Table

Solvent Turnover gal/100 lbs Cleaned	EVEREST to be added	Solvent Turnover L/100 kg Cleaned	EVEREST to be added
5 gal	**8 oz**	40 L	**520 mL**
6 gal	**10 oz**	50 L	**650 mL**
7 gal	**12 oz**	60 L	**780 mL**
8 gal	**14 oz**	70 L	**910 mL**
9 gal	**15 oz**	80 L	**1040 mL**
10 gal	**17 oz**	90 L	**1170 mL**
11 gal	**19 oz**	1000 L	**1300 mL**

IMPORTANT PROCESS OPERATING REQUIREMENTS

To obtain high quality cleaning when operating your **EVEREST** process, adhere to the following, well established indutrsy standards:

Cleaning Cycle Time

For normally soiled classifications, a cleaning time of 20 to 25 minutes is essential for consistent results. This time is needed because the specific gravity and KB values of hydrocarbon solvents are 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. which, 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 lbs (60 to 80 L per 100 kg) 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, like **PURITAN®** brand filters, that have maximized filter paper area, use activated carbon, and whose deisgn provide recommended flow rates.

How to Order EVEREST

EVEREST is sold by authorized Street's distributors. Order **EVEREST** in one-gallon jugs (3.785 L) containers, cases of four, 5-gallon (18.93 L) pails,15-gallon (56.78 L) or 55-gallon (208.2 L) drums.

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

For professional drycleaning use only.

Advancing the Technology of Clean™

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