

DF-2000TM fluidTM
The Proven Alternative



Consistent quality
& proven cleaning
performance with
DF-2000TM Fluid.

Synthetic High Flash Hydrocarbon (HFHC) for Drycleaning

ExxonMobil Chemical Company's DF-2000TM Fluid for drycleaning was first introduced in 1994 as an alternative to the solvents in common use by drycleaners. Since that time, DF-2000 Fluid has gained widespread acceptance and today is used in thousands of drycleaning plants in the United States alone.

The growth of DF-2000 Fluid has outpaced all of the alternative technologies offered for drycleaning. This is a result of many factors including health, safety and environmental benefits, excellent cleaning performance, proven equipment technology, commercial practicality, and a reduced regulatory burden.

DF-2000 Fluid provides you with the peace of mind that comes from a well-developed, broadly supported technology with a track record of proven performance.

• **Proven Cleaning Performance**

When used with properly designed processes, additives and equipment, DF-2000 Fluid provides cleaning performance comparable to perchloroethylene.

• **Consistent, Premium Quality**

DF-2000 Fluid is manufactured and packaged to high standards of consistency and purity to deliver the same high-quality performance time after time. DF-2000 Fluid remains stable through multiple distillation and reclamation cycles.

• **Virtually Odorless**

Solvents with a higher level of aromatics contain more solvent odor. DF-2000 Fluid has the lowest aromatic content of any HFHC drycleaning solvent.

• **Gentle on Dyes, Safer on Trims**

The gentle cleaning action of DF-2000 Fluid is safer for most dyes and trims, so you can rely on it to safely clean a wider range of fancy and fragile articles with less risk of dye bleeding.

• **Cost Effective**

There are no usage, franchise or royalty fees required. In states where a solvent usage tax has been imposed, DF-2000 Fluid is either exempt or the usage tax per gallon is minimal. When coupled with effective processes and additives, labor and production costs are reasonable.

• **Proven Equipment Technology**

Equipment makers have more experience with DF-2000 Fluid than any other alternative solvent. Modern filtration, distillation, solvent recovery, water separation and safety technologies are refined and well developed to give you reliable, trouble-free operation.

• **Proven Additive Technologies**

Detergent and fabric finish additives are essential to provide important enhancements to cleaning performance in any drycleaning system. DF-2000 Fluid is the only alternative solvent technology that is supported by a comprehensive system that includes proven additives and widely available technical support. That means you get cleaning technology you can rely on to perform for now and the future.

• **Friendly**

Drycleaning systems based on DF-2000 Fluid are so dependable and easy to use, you might say they are friendly to everyone: landlords, owners, operators and customers. It is the one alternative solvent that you can look to for peace of mind.



Instructions for Using DF-2000™ Fluid

Installing DF-2000 – New Installations and Solvent Conversions

DF-2000 Fluid is for use in Class II and Class IIIA machines only.

For solvent conversions, begin with Step 1 – For new installations, begin with Step 2.

Step 1 – Cleaning the System

1. Drain all old solvent from the entire system, including the storage tanks and all piping.
2. Remove old solvent filters.
3. Remove sludge and debris from tank bottoms, sides of tank, filter housings and still where applicable.
4. Clean, drain and dry all of the condenser housings and water separators.
5. Dispose of all solvent waste and used filters in accordance with federal, state and local regulations.

Step 2 – Flushing the System

1. Add a few gallons of DF-2000 Fluid to the tank.
2. Pump fresh DF-2000 Fluid around the system to remove remaining sludge and old solvent.
3. Drain the DF-2000 Fluid used as a rinse.
4. Dispose of all rinse solvent in accordance with federal, state and local regulations.
5. Install new solvent filters.
6. Fill tanks with DF-2000 Fluid.

Step 3 – Installing Cleaning Additives

1. Ensure that additives are compatible with DF-2000 Fluid.
2. If using a **Charge Process**: Add proper amount of EVEREST® to the appropriate tank.

If using a **Load Process**: Precondition tank and filter with PINNACLE®.

Step 4 – Starting up the System

Start up the drycleaning unit and run one cycle with dry rags to ensure that the system is clean, free of moisture and that the cycle programming is adequate.

Note: With solvent conversions, adjustments to still inlet steam pressure and drying temperatures may be required.

For Optimal Cleaning Results – Follow these Operational Parameters

Garment Classification

- Loads should be separated by color, weight, and level of soiling based on plant volume.
- At a minimum, classification should include light colored and white garments, dark garments, and fragile/specialty items.

Load Size

- Load size should be limited to approximately 80% of manufacturers recommended capacity. In other words, load weight should be between 32 to 35 lbs. for a 40-lb. capacity machine.

Solvent Level

- Solvent level in the wheel should be at least ¾ gallon per 1 lb. of garments being cleaned.
- Solvent levels in the work tanks must be maintained at a minimum of ¾ capacity.

Solvent Temperature

- Solvent temperature should be maintained between 75°F and 110°F during the cleaning cycle.

Cleaning Cycle Time

- To achieve effective removal of solvent-soluble, insoluble, and water-soluble soils, the filtered cleaning cycle should be between 20 and 25 minutes.

Solvent Flow Rate

- Reduced flow rate slows the removal of soils from the garments and the wash wheel leading to redeposition. To prevent this, check filter pressure daily and regenerate the discs or change filters according to manufacturer's recommendations.

Required Detergent Usage Rate

- Load Process (PINNACLE): 2 ounces per 10 lbs.
- Charge Process (EVEREST): 1.3% concentration in work tank and filter; 17 ounces per 10 gallons of solvent.

Solvent Clarification

- Utilize proper filtration.
- Employ activated carbon for removal of fugitive dyes.
- Distill a minimum of 7 gallons per 100 lbs. of clothes cleaned.

How to Order DF-2000 Fluid

DF-2000 Fluid is sold by authorized Street's distributors everywhere. Order DF-2000 Fluid from your local distributor in single 5-gallon pails 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 use only.

Advancing the Technology of Clean™