

# How to Clean with

# SILVER SOLUTION™

Low Surface Tension Cleaner for Fibers and Fabrics

**ALL PURPOSE FORMULA**

This product has been approved for use on wool and advanced generation synthetic carpets by the Woolsafe Organization.



This product is manufactured for  
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## **Introduction**

Silver Solution is a versatile cleaning product that is by no means a miracle cleaner, but astounds us in its versatility and uses. It out-cleans many others that are far more harsh. Silver Solution continues to amaze everyone in its performance on a wide variety of problems. Its concept is new and revolutionary.

This manual will give detailed instructions on how to apply Silver Solution in several cleaning situations. New uses are being discovered continually, and this manual will be updated as necessary. If you have found a unique use for Silver Solution, we'd love to hear from you. Please submit your experience online at [www.greymatterchemistry.com](http://www.greymatterchemistry.com).

## **Recommended Procedures:**

Standard mix is 1 part Silver Solution with 25 parts water (5 oz. per gallon). As little as 1 oz. per gallon can be effective. Up to 8 oz. per gallon is recommended for restoration and heavy soil with hot water extraction or low moisture encapsulation in extreme conditions. Defoamer is recommended if using hot water extraction. In all of the following, the oldest rule in cleaning is still in effect. Pre-test all fabrics with the solution, first. Dry as fast as possible. A drying time of 12 to 24 hours should not be exceeded.

## **VACUUMING**

When choosing a vacuum for upholstery, tapestry, wallcoverings and drapery, a wet/dry canister type is preferable, with at least 85" of water lift and good over flow with a 1 ¼ inch or more vacuum hose.

Start high and work toward the bottom. This will allow any debris that falls to be picked up later in the cleaning process.

When choosing a vacuum for carpeting we recommend an ultra-high CFM upright style vacuum with a brush roll. Vacuum strokes should be completed in all four directions. Think of a "hashtag" shaped pattern. If excessive sand is at the base of the tuft, a groomer brush or CRB (counter-rotating brush machine) should be used following the same four-way directional pattern. Vacuuming should be completed one more time, from all directions.

## **SPOTTING:**

Mix 1 ½ to 2 ounces of Silver Solution with one quart of warm water. Place water in a pan or preferably a 5 gallon, clean white plastic bucket. Immerse a clean towel and soak until saturated. Wring out excess water, leaving some moisture, but not enough to drip. Fold towel to give a 5 or 6 square inch working area. Apply towel to stained area with blotting action until the area is moistured out. Do several areas if stained. Allow Silver Solution to work 3 to 5 minutes. Change working area on towel and repeat, working towel onto stained area. Check the exposed area of the towel. If the stain or soiled area is reacting, you will note a transfer from the stained area to the towel. Keep changing to clean areas on the towel and keep applying until stain or soiled substance is transferred to the towel. When the job is completed, the towel will look like a checkerboard and stained or soiled area will be free of unwanted substance. On commercial or

looped carpeting, a side to side, back and forth action will provide more agitation. Construction of carpet will determine the degree of motion.

For stubborn stains, use the heat transfer method: Wet out stain with Silver Solution as noted above, then place a steam gun or iron on top of a damp COTTON towel for 10 to 15 seconds. Do not use microfiber in this instance. Repeat with clean cotton towels until the stain is completely transferred to the towels.

Place soiled towels in a plastic garbage bag or second bucket, and launder as soon as possible. Do not store until soured.

### **PRE-CONDITIONING**

Please follow the vacuuming instructions first. The most important rule for pre-conditioning is even coverage without over applying. We recommend using less initially, and re-applying as needed rather than over applying in a single pass. The over application of prespray is a common issue that results in wicking and poor dry times.

We recommend a fine mist with a cone pattern if Silver Solution is being used as a prespray. If you are using Silver Solution in a tank on a floor machine, apply as evenly as possible through the pad or brush. This will yield optimum results. Standard mix is 4-8 oz. Silver Solution per gallon of water. SAFETY: Wear a respirator with an organic chemical filter when spraying ANY dry solvent solution.

### **VLM / LOW MOISTURE PAD CAPPING / BONNET / ENCAPSULATION:**

First follow the vacuuming instructions. Mix 4-8 ounces of Silver Solution in one gallon of warm water depending on soil condition. DO NOT BOOST UNDER ANY CIRCUMSTANCES! Spray an area about 100 square feet following the pre-conditioning instructions prior to using an accumulator pad on the carpeted area. If two technicians are available, one should precede the machine operator allowing approximately 5 minutes of chemical working time before buffing with the accumulator pad. As with all low moisture systems, change and/or rinse pad often, so the soil will not transfer from one dirty area to another. Clean pads will expedite the job, as well as enhance the results, without leaving soil attracting residues.

Carpet Maintenance Contracts:

Forget what all the "Big walk behind extractors" the salesman tells you "That it can't part space in time" it won't make you money on regular maintenance contracts and the customer will not have the best of service if you use one. Us "Old Timers" know a secret - a rotary floor machine. It works, and the TOPs or Cimex machine works even better. Some even use the dry foam machines. Clean the carpet every month, or as often as it takes to keep it looking good. Then use your "big gun" hot water extractors after 12 or 18 months, or as often as it takes to make you feel like you are doing a complete job. The carpet will look great and you'll make lots of money even at 5¢ per square foot. Here's how:

Mix 5 ounces of Silver Solution per gallon of lukewarm water. Place in the solution tank. Apply in sufficient quantity to wet out brushes or pads, which in turn will wet out carpet tufts. Don't

attempt a sudsy buildup, such as with shampoo. It is not necessary or even recommended, to pick up with a wet dry/vacuum. Do not extract, unless you are applying Silver Solution as your pre-conditioner. Vacuum when dry to remove soils. Don't confuse Silver Solution with a shampoo mixture. Silver Solution will not cause a soil and residue buildup. Resoiling will be reduced, not increased. If you are concerned about contamination and odors, add an ozone unit to your solution tank and you'll be all set.

### **Cleaning Upholstery with VLM / Encapsulation:**

First test to make sure there is no adverse reaction to water. When using the foam technique on delicate fibers mix 6 ounces of Silver Solution in one gallon of hot water. (Hotter water produces more foam). Work into upholstery, tapestry, or carpet edges. Build lather by agitating with a brush. Allow adequate dwell time and remove soil with towel or extractor.

NOTE: If upholstery has been subjected to hair or body oils, pre-spray with a slow drying, anhydrous dry solvent, over oil impregnated areas, prior to application of Silver Solution. If upholstery is subjected to hair spray, towel dry area and re-apply dry solvent first, and follow with Silver Solution.

Silver Solution can also be used as a dry foam in both dry foam equipment as well as the bucket technique. In dry foam equipment add 8 oz. of Silver Solution per gallon of hot water. For the bucket technique mix 8 oz. of Silver Solution per gallon of hot water in a bucket. Use an application brush to stir to a frothy foam or lather. Apply to the soiled area and wipe off with microfiber towels. This is a personal favorite way of cleaning upholstery as it resolves most upholstery cleaning issues with little risk of damaging the piece.

For maintenance mix 5 ounces of Silver Solution in one gallon of lukewarm water. Saturate pad and wring out excess water. Damp-wipe the fabric at least once per calendar quarter. This will prevent buildup, and probably prevent future cleaning needs, except for emergency spills and/or catastrophes.

When using Silver Solution as an anti-soiling treatment on upholstery, mix 4 ounces of Silver Solution to one gallon of water. Spray a mist evenly over all the fabric. This will prevent water marks when cleaned. This will help condition the upholstery to stay cleaner longer.

We recommend the use of distilled water whenever possible. Silver Solution naturally has the ability to prevent browning of upholstery and can in some cases reverse the effects of pre existing browning. We highly recommend using distilled water whenever cleaning upholstery.

### **HOT WATER EXTRACTION / STEAM CLEANING:**

First follow the vacuuming instructions. Mix 4-8 ounces of Silver Solution in one gallon of warm water depending on soil condition. **DO NOT BOOST UNDER ANY CIRCUMSTANCES!** Spray an area about 100 - 200 square feet following the pre-conditioning instructions prior to using the extractor. A defoamer may be necessary when using Silver Solution for hot water extraction. Allow 5-10 minutes of dwell time. Pre-agitate the carpeted area with a CRB or floor machine

with brush or orbiting pad. Rinse the carpet at 200-600 psi with a water temperature of 120°F - 200°F preferred. An acid rinse is not always necessary when using Silver Solution as it is acidic with a pH of 6.5.

When using a floor machine for application mix 4-8 ounces of Silver Solution in one gallon of warm water. Apply with a floor machine and a broken in shampoo brush. Allow 5 to 15 minutes dwell time before hot water extraction.

### **Cleaning Upholstery with hot water extraction:**

First test to make sure there is no adverse reaction to water. When using the foam technique on delicate fibers mix 6 ounces of Silver Solution in one gallon of hot water. (Hotter water produces more foam). Work into upholstery, tapestry, or carpet edges. Build lather by agitating with a brush. Allow adequate dwell time and remove soil with towel or extractor.

NOTE: If upholstery has been subjected to hair or body oils, pre-spray with a slow drying, anhydrous dry solvent, over oil impregnated areas, prior to application of Silver Solution. If upholstery is subjected to hair spray, towel dry area and re-apply dry solvent first, and follow with Silver Solution.

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### **GROOMING:**

When cleaning has been finished, grooming is critical for the appearance of the carpet as well as to decrease dry times. Grooming can be accomplished with sharktooth or single direction pattern. You may choose either a grandi groomer brush, a CRB, or a traditional carpet brush. This step will eliminate many call backs.

### **ORIENTAL RUGS:**

Silver Solution is perfect for cleaning wool and silk rugs. Both cleaning and resoiling problems are reduced or even eliminated. After inspection, pre-testing and dusting, place rug in wash pit or other suitable wet cleaning area. Pre-spray fringes and other soiled areas with a slow drying, anhydrous dry solvent. Mix 8 ounces of Silver Solution per gallon of lukewarm water. Apply to the rug with a rotary floor machine with a solution tank and a soft shampoo brush. Apply evenly.

Allow 5 minutes dwell time for Silver Solution to work on soils. Thoroughly rinse with clear, clean water. Ensure rapid drying. Several cleaners who use Silver Solution charge \$3.00 - \$6.00 sq. ft.

#### **FIRE RESTORATION SMOKE AND SOOT REMOVAL:**

When using Silver Solution for fire restoration removal of smoke and soot mix 8 ounces of Silver Solution in a gallon of warm water. Mist Silver Solution on hard surface areas. Wash down with saturated and lightly wrung out towels.

#### **WALL COVERINGS:**

To clean wall coverings mix 5 ounces of Silver Solution per one gallon of lukewarm water. Saturate and remove excess water from a towel. Wipe down the wallcovering with light pressure downward strokes. Do not over agitate. On soiled spots, use a towel with a sponging motion.

#### **Cleaning Equipment After Use**

Due to the ultra unique formulation of Silver Solution it is important to properly clean out all equipment after use. This is due to the fact that Silver solution is highly active and a level of encapsulation may clog filters, hoses & jets if not rinsed at the end of the day. Rinse equipment with clear and clean water. If Silver Solution is left in the equipment no harm will be done, but cleaning out the residue will be more challenging. Rinse and agitate with clean water, repeating until any clogging is removed.

#### **In Conclusion:**

Thank you for purchasing and using Silver Solution. New uses are being discovered continually, and this manual will be updated as necessary. If you have found a unique use for Silver Solution, we'd love to hear from you. Please submit your experience online at [www.greymatterchemistry.com](http://www.greymatterchemistry.com).