

## Frequently-Asked Questions about Un-Duz-It Unleashed

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### Q: Is Unleashed safe for use on wool rugs?

A: Unleashed has not been evaluated by the WoolSafe® Organization, but we have tested it on both wool and cotton fibers and found good results. Of course, always pretest—especially on fibers that have natural fiber dyes.

### Q: How much Unleashed should I use to treat a specific spot?

A: It really depends on the carpet, but assume you should apply enough Unleashed to cover twice the area of the stain, because that's typically how far urine spreads under the carpet and into the padding. For example, if the stain is 3" long, apply to cover 6" of carpet, using one cup to one quart of product.

### Q: Can I use Unleashed to treat a large area?

A: Unleashed is intended for use as a spotter and not generally for use in large carpeted areas—instead, large areas of carpet and pad should typically be removed and replaced.

### Q: Can I use Unleashed on rugs?

A: Unleashed can be used on washable area rugs. Follow these steps for best results: 1. First check for dye bleed in an inconspicuous area. 2. Thoroughly vacuum both sides. 3. Apply Unleashed on the rug, making sure it is fully saturated. Roll up the rug and put it in a bag. Keep it covered for two hours. 4. After two hours extract with a subsurface tool, rinse with water, then extract again with the subsurface tool. Now clean rug as usual. 5. Hang up the rug and spray UNLEASHED on back and front of rug and allow to dry.

### Q: Must Unleashed always be rinsed?

A: Unleashed contains surfactant which can create sticky spots and cause resoiling if it is not rinsed out. Thorough rinsing is especially important for carpet and wool rugs.

### Q: Can Unleashed be applied with an inline injection system?

A: No, Unleashed is to be used either full strength or diluted at most 1:1. In-line sprayers typically dilute to a much greater extent and would produce an ineffective solution.

### Q: Can I use Unleashed in HVAC ducting?

A: We don't recommend using Unleashed in ducts. Instead, use [Disinfectant Spray Plus Fragrance Free](#), as it is EPA registered for use in HVAC. Keep in mind that any significant amount of urine must first be removed in order to achieve good deodorization.

### Q: I tried Unleashed but it didn't work. What went wrong?

**STAINS:** If the stain doesn't come out, it is most likely because the stain is caused by a synthetic dye. Some pet medications contain synthetic dyes, and these dyes will stain carpet or fabrics. To remove these type of stains, you will need to use a reducer like Red X It, the same kind of product that you use to take the stains caused by the synthetic dyes used in many fruit juices, sports drinks and box wines.

**ODOR:** If odor persists after treatment with Unleashed it is probably because the solution did not reach the padding, which is where the urine odor is present. Unleashed must be in direct contact with the odor source and for the dwell time specified. Other possible issues:

- The area dried before Unleashed could complete the job. Unleashed needs to be kept moist to do its work. If your application is drying too fast, consider covering the treated area with plastic sheeting until the dwell time is complete.
- The room temperature was too low. Unleashed works best at normal room temperatures or slightly above.
- The area was previously treated with a product that interfered with Unleashed. In this case, a thorough cleaning may be required followed by a second application of Unleashed.

**Q: If the substrate is so badly saturated that even Unleashed can't get it, can you recommend an odor control sealant that will stop the order?**

**A:** We recommend Zinsser® Synthetic Shellac Sealer. Follow product label instructions for best results.

## Un-Duz-It Unleashed

### Urine Odor and Stain Treatment

#### What causes urine to glow under UV light?

Urine is a complex organic chemical mixture containing primarily phosphocreatine—a chemical containing phosphorous—as well as urea and creatinine. After the urine is deposited and biological breakdown begins, these chemicals create ammonia and other nitrogen-based compounds that deliver the strong smell associated with urine. Un-Duz-It Unleashed eliminates all three compounds and removes the odors generated as well as the pigments excreted with the urine.

However, when observed under a black light, an area treated with Unleashed may still glow. This glow is not due to the presence of urine in that spot, but from phosphorous left over from the breakdown of phosphocreatine. During that process the phosphorous becomes chemically bonded to the fibers as a dye would, thus being very strongly attached to the fibers. Under a UV light, the phosphorous glows. But because the phosphorous is now part of the surface of the fibers, it is quite difficult to remove it without damaging the existing dyes on those fibers.

Fortunately, there is little need to remove the phosphorus. Unleashed has fundamentally altered the chemistry of the original urine deposit so that no urine odors can be produced.

Think of it this way: phosphorous is used in LEDs and fluorescent light bulbs to cause them to glow and produce light. And we all know that there is no urine in LEDs or in fluorescent light bulbs!

—Werner Buchman, Chief Chemist, Legend Brands