



**The
Odor Control
and
Odor Elimination
Bible**

**If you can not find an answer to your odor removal
problem here, call the experts at OdorXit® Products
877-636-7948 for help.**

OdorXit® Products are made in the USA

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Here is a convent mixture table to make different size batches.

Parts	Final Amount of Solution	OdorXit Concentrate	Water
1 to 30	1 Pint or 16 ounces	1/2 ounce	15 ounces
1 to 30	1/2 liter or 500 cc	17 cc	485 cc
1 to 30	1 Quart or 32 ounces	1 ounce	31 ounces
1 to 30	1 Gallon or 128 ounces	4 ounces	124 ounces
1 to 15	1 Pint or 16 ounces	1 ounce	15 ounces
1 to 15	1/2 liter or 500 cc	35 cc	465 cc
1 to 15	1 Quart or 32 ounces	2 ounces	30 ounces
1 to 15	1 Gallon or 128 ounces	8 ounces	120 ounces
1 Part	References a ratio		

1. Product and Ordering Information

1.1. **OdorXit®** has three different products. They eliminate different odors and each has a different chemical make-ups.

1.2. **OdorXit® Concentrate**, OdorXit's first product is a highly concentrated liquid that, when used as directed, eliminates many unpleasant organic household odors permanently when applied directly to the source of the odor. It works on wood, concrete, walls, fabric, carpet, skin, fur and more, that have been contaminated with urine, feces, vomit, scent marking spray, skunk spray, rotting meat, fish and vegetables, gasoline, diesel and heating oil, and many other organic odors. It is all natural salts and oils so it is safe to use directly on people and animals.

1.3. **OdorXit® Concentrate** is available in 3 convenient sizes and must be used after adding water to the Concentrate. 1 ounce of Concentrate to 30 ounces of water is the usual prescribed mixture:

1.4. A 4-ounce bottle of OdorXit® Concentrate makes up to 1 gallon of OdorXit® solution.

1.5. A 16-ounce bottle of OdorXit® makes up to 4 gallons, enough to eliminate the organic odors in 1,000 sqft of hard surfaces – wood, tile, concrete, etc. Works great on carpet too and has been tested and approved by major soft surface flooring/ carpet manufacturers.

1.6. A 64-ounce bottle of OdorXit® makes up to 16 gallons of OdorXit® solution.

1.7. When using OdorXit® in a washing machine or to soak fabric or hides, the dilution rate can be 1 ounce of concentrate to 1 to 5 gallons of water.

1.8. **Magic by OdorXit®**, our second product, is a ready to use product. It is very different than OdorXit Concentrate although it is still safe to apply directly to skin and fur and safe for the environment. Magic by OdorXit® eliminates reoccurring odors temporarily often for 7-10 days and will eliminate those same odors indefinitely with continued use. It has a mist sprayer and delivers 1500 – 1600 pumps per 8-ounce bottle.

1.9. **Magic by OdorXit** comes in four convenient sizes. 10ml for purse, pocket, glove compartment, 2 ounce for diaper bag, etc. 8 ounce-household usage and 64 ounce for industrial use or refills.

1.10. **Magic by OdorXit®** will also deodorize a 50 gallon holding tank (Boat, RV, camper, airplane, etc.) for up to three months or until it is pumped out. Magic by OdorXit has also been tested and approved by major soft surface flooring/ carpet manufacturers.

1.11. **OdorXit® AQM/ClO₂ Air Quality Manager/Chlorine Dioxide**, the third and final product, uses sodium chlorite and water vapor to produce Chlorine Dioxide, an extremely effective oxidizing gas for removing odors, oxidizing mold, spores, skunk spray, cigarette

and other types of smoke, curry, fish and other food lingering smells and many germs and allergens in the air. Available in 10 and 25 gram packets, they will safely oxidize areas up to 100 cubic feet of space per gram. They leave no residual matter and don't harm furniture, people, etc. when used as directed.

1.12. OdorXit® products are 100% guaranteed to perform as stated on our web site and in the guarantee section below. We stand behind OdorXit® and have helped thousands of users eliminate some very nasty odors. Do not hesitate to call us with questions or problems.

Let Us Help You Too!

1.13. Call 1-877-ODORXIT for special pricing on case quantities.

1.14. If you reside outside of the United States of America check our web site for the most current information about shipping and customs at:

www.OdorXit.com/?foreign

1.15. Ohio residents will be charged the current Butler County, Ohio sales tax rate.

1.16. We accept Visa, MasterCard, Discover, American Express, paypal, money orders and personal/company checks.



Orders received after 12:00 PM EST/EDT will be shipped the next business day.

1.17. To order online, visit www.OdorXit.com/?order.

1.18. Call our toll free expert help & order line at 1-877-ODORXIT (1-877-636-7948).

1.19. Outside North America and the Caribbean call 513-895-1000.

1.20. Fax orders to: 513-868-8886

1.21. Or Mail your order to: OdorXit, PO Box 805, Hamilton, OH 45012.

2. OdorXit® Guarantee

2.1. OdorXit® is 100% Money Back Guaranteed to perform as advertised on the OdorXit.com web site and in this document.

2.2. The following odor situations are excluded from the guarantee: fire smoke, urine in carpet padding and extreme contamination cases on concrete, wood and wall materials, skunk smell in some leather and leather products and cardboard.

2.3. We offer free consulting on any odor problem including the ones specifically excluded or not addressed. Just call 1-877-ODORXIT (1-877-636-7948). If we can't answer your call we will call you back within two business days.

2.4. If you are having a problem solving your odor problem with OdorXit® and want your money refunded you must first:

2.5. Discuss your odor problem with our odor experts before you finish the entire bottle or packet of OdorXit product. Call our toll free help line: 1-877-OdorXit (1-877-636-7948) or 513-895-1000. Our odor elimination experts will work with you to make any changes nec-

essary in your application technique to ensure the successful elimination of the pesky odor. If you get the answering service, leave your name, phone number and a time when it is convenient for us to reach you and we will call you back. You must, in good faith attempt to follow the instructions offered by our experts.

2.6. Our odor elimination experts will help you identify a customized solution to your odor problem. Often times, this solution is enough to correct the problem. Therefore, you must, in good faith, attempt the solution offered by our experts before a refund will be issued. We reserve the right to request pictures or other evidence documenting your attempt to implement our solution. Upon request, OdorXit will provide you a written statement outlining our purposed solution..

2.7. If your odor problem still cannot be eliminated after using the product as directed in the product manual and attempting the solution offered by our odor elimination experts, we will promptly refund your money, including all shipping and handling expenses.

2.8. No refund will be issued unless you contact us within 30 days of the shipping date noted on your invoice and request a refund. All products are nonrefundable after that 30 day period.

3. How To Use OdorXit® Concentrate

3.1. OdorXit® Concentrate diluted with water can be safely applied di-

rectly to carpeting, flooring, walls, furniture, bathroom tile, cabinetry, concrete, fabric, leather and many other materials and surfaces to eliminate odors. (See the Taxi-dermy section for even more uses.) It can also be used in combination with carpet cleaning and laundry detergents (excluding chlorine and oxygen bleaches) for one step cleaning and deodorizing of carpet and fabric.

3.2. Normally, OdorXit® solution is sprayed on with either a trigger sprayer or a 1/2 - 2 gallon yard or deck sprayer (See Applying OdorXit®).

3.3. You can also use a solution of OdorXit® and water in a carpet-cleaning machine (with or without carpet shampoo) for large carpeted areas though it is much less effective that using a deck sprayer, or in a washing machine for fabric and rugs small enough to fit into the machine.

3.4. OdorXit® is fully compatible with detergents and germicides. It works well at any temperature from 5 to 130F. OdorXit® eliminates odors that remain and continue to emerge after application of a germicide.

4. How To Use OdorXit® Magic

4.1. Magic by OdorXit® is a second product in the OdorXit lineup. It has a completely different chemical makeup than that of OdorXit Concentrate. Magic treats many of the same odors as the Concentrate but 'neutralizes the

gases from these odors for a short period of time. Magic by OdorXit treats re-occurring odors. The gases/odor will be absorbed up to 7 days. Since the odor will come back – bathroom and cat box odors for example, Magic needs to be re-sprayed. Retreating the area when needed will absorb the odors indefinitely.

4.2. Because Magic by OdorXit® absorbs and neutralizes the gasses we perceive as odors, it does not have to be applied directly to the source of the odor. It simply needs to be in the area where the gasses are being generated or on the air filter in your furnace/air handler.

4.3. Magic by OdorXit® is very easy to use, fast acting and long lasting. Occasional re-application keeps odors neutralized indefinitely.

5. OdorXit® AQM/ClO₂ Air Quality Manager

5.1. OdorXit® AQM/ClO₂ –Air Quality Manager - is a combination of powders that produces chlorine dioxide gas when exposed to water or water vapor. There are 2 sizes: 10 and 25 gram package.

5.2. All packages are enclosed in an airtight Mylar package that must be removed just prior to use.

5.3. OdorXit® AQM/ClO₂ requires a minimum of 40% relative humidity and 35 degrees F for the product to produce chlorine dioxide gas. A small amount of water, (1-3 drops) can be added in the provided plastic packet not on the white micropouch

in cases where the humidity is too low.

5.4. OdorXit® AQM is extremely effective against odor sources that will oxidize and particularly useful on surfaces that are hard or impossible to reach or that will not tolerate water based products.

5.5. Oxidation products including OdorXit® AQM can be dangerous if used improperly, so *carefully read and follow the instructions for your specific application.*

6. Safety

6.1. All OdorXit® products are nontoxic, non-irritating, non-flammable, non-carcinogenic, non-staining and biodegradable. When treating urine they give off no unpleasant and possibly harmful ammonia gas. They conform to the RIFM and IFRA guidelines. In concentrated form, avoid open flame. If eyes are exposed to Concentrate or Magic, eyes should be flushed with water.

6.2. WARNING: *OdorXit® Concentrate* is considered by the U.S. Department of Labor's Material Safety Data Sheet (MSDS) to be a minor eye irritant when in concentrated form and non-irritating when diluted according to directions. OdorXit® is a mixture of organic salts and oils that by their very nature have a small but not zero potential to cause allergic reactions in humans and pets. If any unusual reaction occurs, consult a physician immediately. Listening Systems Inc. will make every effort to supply any requested information.

6.3. **Magic by OdorXit®** is a mixture of water and essential oils that by their very nature have a small but not zero potential to cause allergic reactions in humans and pets. If any unusual reaction occurs, consult a physician immediately. Listening Systems Inc. will make every effort to supply any requested information.

6.4. If **AQM/CL02** packet is swallowed, contact a physician immediately. Listening Systems Inc. will make every effort to supply any requested information.

6.5. Keep this and all odor elimination products out of the reach of children and pets.

7. How OdorXit® Works

7.1. OdorXit® Concentrate uses a combination of three chemical processes to remove odors:

i Counteraction. It pairs with many odors to neutralize the odor.

ii Absorption. It physically penetrates many odor causing substances and converts them into other byproducts that have no odor.

iii Bonding. It physically binds to many odor-causing substances changing them forever into non odor producing by-products.

8. Who Needs OdorXit®?

8.1. YOU and pet owners, rental property owners and managers, house renovators, professional carpet cleaners and installers, appliance re-sellers, homeowners, taxi-

dermist, fishermen, animal groomers, veterinarians, horse owners, nursing homes, smokers, day care centers, taxidermists, trash disposable companies, groomers, shoe store owners, restaurants and restaurant workers, bars and bartenders and anyone with organic and many inorganic odor problems should be using OdorXit® products.

9. Magic by OdorXit®

9.1. Magic by OdorXit® is a very different chemistry than OdorXit's other products. Magic is safe to use around pets, children and people and is mostly water. It absorbs the gases the odor gives off for 7-10 days before additional Magic needs to be applied.

9.2. Magic by OdorXit® uses a new, fast and very effective approach to solving odor problems. When sprayed on an odor source or simply into the area containing unpleasant odors, Magic by OdorXit® absorbs or alters the gas so that we do not perceive an unpleasant odor.

9.3. Magic by OdorXit® works best with re-occurring odors. Cat box odors for example. The cat will continue to use the litter box so the odor will be back.

9.4. Bathroom odors, Porto lets, shoes with no socks odors, even trash cans. Because you continue to use the smelly area in the same way that created the odor, the smell will be back. Magic will absorb the odors made in those areas now and as they are made for 7-10 days in the future.

9.5. The timing may be less than 7-10 days before the next application is necessary. When there is more gas in the area than the Magic by OdorXit, the smell will come back. Then it is time to reapply Magic.

9.6. Magic by OdorXit® absorbs a very wide range of unpleasant smells including tobacco smoke, mold, mildew, spoiled food, fish, animal scent spray (including cat and skunk), animal and human excrement, diaper and diaper pail, bed pan, sick room, and cooking. It also absorbs many inorganic and chemical odors.

9.7. Magic by OdorXit® is long lasting and completely effective on a very broad range of odors. It is simple to use: simply spray it into the affected area or directly onto the odor source.

9.8. For treating large areas like bathrooms, showers, kitchens and other areas with tile or cement floors, add 4 or 5 ounces of OdorXit® Magic to a bucket of detergent or rinse water, mop it on and allow it to dry. It can also be applied to furnace air filters.

9.9. Magic by OdorXit® also eliminates the odors produced in portable toilet holding tanks. Just pour 4-6 ounces in your toilet, add 1 or 2 quarts of water and flush the toilet.

9.10. It starts working immediately and continues for up to 3 months or until the tank is emptied.

9.11. Do not spray Magic by OdorXit® directly in the faces of animals or humans. For odors on

animals (dog body odor, skunk, etc.) spray Magic in your hands and rub your hands on the fur. If the animal was just “sprayed” by a skunk, he will not want to be sprayed by something else. Do not eat or drink OdorXit® Magic. Keep this and all odor control products out of the reach of children

9.12. Magic by OdorXit® is available as a ready to spray liquid.

10. Using OdorXit® Concentrate

10.1. OdorXit® Concentrate is the most effective organic odor destroyer available at any price.

10.2. OdorXit® Concentrate works when it is diluted with water and comes in direct contact with an odor's source. Therefore, you need to use enough to penetrate to the places where the odor originated; for example, under carpet tack strips, between drywall and baseboards, between the joint cracks in hardwood flooring, between toe strip and baseboards, between floorboards and wall nailer boards.

10.3. For information on special applications and solutions to extraordinary situations read our Odor Wizard section at www.OdorXit.com/?wiz often. It is updated when we have new information or approaches to solving really tough problems.

10.4. If you have additional questions or concerns, please call us on our toll free help line 1-877-OdorXit or email us your questions at odorxit.com/?OXEmail.

10.5. Our success depends on you succeeding with OdorXit®. Let us help you be successful.

11. Urine Odors

11.1. Eliminating pet urine from any porous material can be a challenge, for two main reasons:

11.2. Urine's low surface tension allows it to soak into cracks and porous materials very quickly, and

11.3. Urine goes through several chemical transformations as it dries and decomposes.

11.4. Fortunately, OdorXit® handles both of these challenges.

11.5. OdorXit® diluted 1part Concentrate-to-30 parts water will penetrate to the same areas as the urine in most cases. Where very deep penetration has occurred into carpet, flooring or concrete, OdorXit® can be mixed with carpet cleaning products containing surfactants to accelerate penetration and odor removal.

11.6. OdorXit® works on urine and all the bad-smelling chemicals it produces. It permanently blocks the production of the undesirable gases, as long as the OdorXit® comes in contact with all the offending materials.

11.7. Since it is unaffected by detergents, OdorXit® is very effective at neutralizing urine odor after other methods have been tried and failed. Normally, removing the residue from other odor control products is not necessary for OdorXit® to be successful, but in extreme cases (especially with carpet) it may be necessary to remove

as much of the residue as possible before using OdorXit®.

11.8. If wood or concrete flooring has been painted, re-finished, and/or sealed in an attempt to block an odor, liquid OdorXit® will NOT be able to get into the areas where the gas is being produced by the urine byproducts. Removing the "seal" will allow OdorXit® to get below the paint, finish, or sealer. Some OdorXit® users have been successful treating hardwood flooring that have been painted and/or sealed by drilling small holes between the boards and injecting OdorXit® solution into the floor.

11.9. Buy a syringe type turkey baster at the grocery. Cut the tip of the needle off and use this to inject the OdorXit Concentrate solution into the drilled holes. You'll want a drill bit the same size as the turkey baster syringe needle. Or you can call OdorXit 877-636-7948 (877-Odor-Xit) and ask to buy a syringe. We do not advertise these on the website.

12. Pet Spray

12.1. Cats and dogs, both male and female will try to establish their "territories" by marking walls, floors, furniture and clothing with their scenting sprays. This is their way of preventing trespass by other animals and humans or simply establishing their dominance over other animals in the house or apartment. The hormonal spray has a very heavy musk odor which is very different and often much stronger than urine.

12.2. Hormonal spray areas are often difficult to find because they are usually very small and, very hard to see, particularly on fabrics.

12.3. The most effective way to find the problem area is to completely air out the room and sniff around until you find the place(s) that needs treatment.

12.4. Another method that sometimes works is to use a black light (long wave UV only) in a darkened room. The affected areas will sometimes light up bluish green to yellowish green depending on the presence of fluorescent material in the animal's spray. We not offer 3 battery operated UV-LED lights that are very bright and effective.

12.5. Preparing the affected area before applying OdorXit® is very important to successfully eliminating the odor.

12.6. Washing walls with a good spray-on cleaner or TSP solution, and using a plastic dish scrubber (or brush) then rinsing with a wet sponge (or rag) will remove most of the surface material. This reduces the amount of material that OdorXit® must neutralize, but does not remove the contamination that has soaked into the wallboard, paneling or grout.

12.7. If the spray is on a piece of furniture or carpet, have the area professionally cleaned before applying OdorXit®. If the cleaning person will cooperate, add an ounce of OdorXit® to his cleaning solution. It can really help!

12.8. OdorXit® Concentration for this application should be 1 to 1.5 ounces per 15 ounces of water, starting with the weaker solution.

12.9. DO NOT USE ODORXIT® CONCENTRATE UNDILUTED OR WITH LESS THAN 10 OUNCES OF WATER PER OUNCE OF ODORXIT® CONCENTRATE.

12.10. Because scent sprays are so much stronger than normal odors and they are oil based, one application of cleaner and OdorXit® may not completely do the job. OdorXit® must be allowed to soak into the affected area for it to work. If the spray is on the wall, apply OdorXit® to the entire area, wetting the wall, baseboard, and adjacent area of the floor.

12.11. After application, the smell of OdorXit® itself often lingers for many days. Spraying unscented ammonia diluted at least 1 part ammonia to 4 parts water on an area that is retaining the OdorXit® smell will help a lot.

13. Skunk Smell

13.1. One of the most offensive odors in nature, skunk spray, can get into lots of places, but OdorXit® can get it out.

13.2. Pets:

- i Skunks can spray your dog or cat from up to 10 feet away and leave them reeking for weeks!
- ii Removing skunk spray odor from a pet is normally a labor intensive task requiring bathing, tomato juice, and/or a mixture of hydrogen peroxide, baking

soda, and detergent. NOT! The bathing part is pretty normal, but the tomato juice is hard to get out of their fur and hydrogen peroxide can bleach a dog or cat's coat and burn their eyes, ears and sensitive mucus membranes if you're not careful enough and rinse it properly.

iii Throw out the tomato juice and peroxide and just bathe your pet as you would normally using a vet approved mild detergent shampoo and then rinse with lukewarm water.

iv Then mix 1 ounce of OdorXit® Concentrate with one quart of warm water and apply the solution to your pet's fur. Use a washcloth or small sponge to apply OdorXit® solution to the face and ears, avoiding the inner ear, the eyes and nose. After waiting approximately 5 minutes, rinse your pet with lukewarm water. Towel your pet dry as best you can and allow them to finish drying naturally. Once dry, your pet should be free of skunk odor. If he is not, sniff him or her. Find the spot(s) that the solution missed. Apply the solution there until the odor is completely gone. REMEMBER: OdorXit works on contact so you must get the solution to ALL of the skunk odor spray material on your pet.

13.3. Automobile (Inside and Out)

i If you've been unfortunate enough to run over a skunk, or

if a skunk has found its way into your garage, or you drove you skunked dog to the vet or groomer to be deskunked, you probably need to treat both the inside and the outside of your vehicle to get rid of the stench.

ii If you hit a skunk, running the car or truck through an automatic car wash first will make the odor elimination a bit easier.

iii Start by treating the wheels and undercarriage. If you're lucky, stopping the smell there will also knock out any skunk smell inside the vehicle without having to treat the carpeting and upholstery.

iv To treat the outside of the car, spray the undercarriage with a yard or deck sprayer containing 4 ounces of OdorXit® Concentrate mixed with 1 gallon of water. Be sure to cover the entire undercarriage, wheels and lower paint. In order to do this effectively, you'll probably have to lie on the ground and spray the car from underneath. Allow the mixture to air dry and you're finished.

v Tractors and Motorcycles are much easier because they give you easy access to the underbody.

13.4. To treat the interior of your vehicle, mix 1 ounce of OdorXit® Concentrate with 20 ounces (yes, 20 ounces – skunk spray is strong!) of water in a small handheld spray bottle. Spray the vehicle's carpeting and upholstery evenly and allow to air dry slowly. This may need to be

repeated depending on how intensely the skunk odor permeated the vehicle or how much you dog tracked the skunk odor around.

13.5. Carpet with Skunk

i Skunk odor on carpeting may be very smelly but it is almost always a superficial or surface contamination (unless the skunk actually sprayed the carpet).

Odors carried in on shoes and pet paws are easily removed by spraying only the contaminated spots on the floor.

ii Mix 1 ounce of OdorXit® Concentrate with 20 ounces of water in a spray bottle. Give each spot on the carpet a couple of good sprays and allow it to air dry.

iii It is not necessary to saturate the rug because the contamination is just on the surface. In fact, flooding the area may make the problem worse by allowing the odor producing material to be carried deeper into the carpet fibers and saturate the carpet padding.

iv Carpet that has been sprayed directly by a skunk may not be recoverable, especially if it has had time to soak in.

13.6. Machine Washable Fabric and Clothing with Skunk

i If you were unlucky enough to have been sprayed by a skunk or just had your recently sprayed dog rub against you, OdorXit® Concentrate will work on your clothes as well as your skin.

ii Removing skunk odor from machine washable fabric requires adding 1-2 ounces of OdorXit® Concentrate to the washing machine at the beginning of the wash cycle with the normal amount of laundry detergent. Allow the wash cycle to complete but delay the first spin cycle for 30 to 60 minutes (most top loading washers will run to the end of the first wash cycle with the lid open and then stop before the spin cycle starts; front load washers and the new "ultra safe" top load machines are a bit more difficult; consult your user's manual for your proper procedure). Often, pushing the "pause" button on the front loader will do the same thing.

iii After the wash/soak time, close the lid or restart the machine and let the machine finish its normal cycles. In some cases, it may be necessary to run the final rinse twice.

13.7. Leather with Skunk

i If you were wearing leathers when you hit the skunk on your motorcycle, leave the bike for later and start right away on your leathers. As soon as possible hose yourself off, rinse in creek water or any fresh water you can find. The more of the skunk spray you can remove before it dries the less you will have to neutralize later.

ii After rinsing yourself, do the bike. Again, the more you can

rinse off, the less you have to neutralize later.

iii When you get to your OdorXit®, spray everything down with a mixture of 1 ounce OdorXit® and 30 ounces of water. The odor will disappear!

13.8. Dry Clean Only Fabric and Clothing with Skunk

i Delicate dresses, blouses, shirts and wool suits should have the contaminated areas sprayed with OdorXit® Concentrate diluted 1 ounce to 30 ounces of water. Allow to dry overnight.

ii If the odor returns, repeat the same process. When the odor is completely eliminated dry clean and press. The odor will not return.

13.9. Furniture with Fabric Upholstery

i Skunk odor on furniture upholstery can be a bit more difficult because much of the fabric used on furniture is not colorfast. Before you attempt a furniture recovery project, test the OdorXit® solution on the back of the piece to see what happens. If watermarks or bleaching occur you'll have to decide which problem to live with.

ii Since skunk odor on furniture is most often the result of a skunk-sprayed dog jumping up on the furniture before he was deodorized, there is usually very little skunk spray material on the furniture. Just spray the contaminated area with

OdorXit® Concentrate mixed 1 ounce to 20 to 30 ounces of water) and allow it to dry slowly.

iii Multiple applications may be necessary to remove the entire odor, but it will work.

13.10. Skunk odor Around The House

i If you have had a skunk spray in your garage, under a porch or steps or even in the crawl space, OdorXit® Concentrate can remove the odor there, too. Small or closed areas can be treated with a deck or yard sprayer.

ii For more difficult-to-reach areas like under stairs or crawl space, use a hose end sprayer, a special plastic nozzle that has a dispensing jar screwed on the bottom. The sprayer mixes the contents of the bottle with the water being sprayed.

iii Put about 4 ounces of OdorXit® Concentrate in the bottle and fill it half way with water. Spray it on the area where the odor is coming from until the dispenser bottle is empty. The odor will be gone in an hour or so.

14. Carpets

14.1. Even if your carpet urine odor problem seems to be coming from the surface, it almost always involves the carpet's nap, backing, padding, and often the floor under the padding.

14.2. If you have what is termed contractor grade or Berber carpeting, the chances of removing the entire urine odor is almost zero.

The way the carpet is manufactured is what causes the problem. Millions of little pockets in the glue that holds the carpet together hold urine residue which is very difficult to access with OdorXit® solution.

14.3. Most padding is made of a sponge-like material that can hold a large volume of liquid; it acts like a concentrator for the urine residue. As the water in the urine slowly evaporates (through the carpet) the urine spreads into an ever-widening circle in the padding and the residue accumulates in the padding.

14.4. Because the misbehaving animals usually like to use the same spot over and over again, repeated applications of urine result in more concentrated deposits and larger areas of residue. Fresh urine in carpet can go undetected for weeks or months and then all at once become a big problem. When the padding becomes saturated, the liquid soaks into the flooring and allows the carpet above to stay wet for a much longer time. This situation produces much more odor.

14.5. Recovering contaminated padding, because of its ability to hold liquid like a sponge, is almost never possible. The amount of concentrated contamination, the physical makeup of the foam, and the relatively low cost of replacement padding, make even attempting recovery of the padding a losing proposition. Your best bet is to use OdorXit® Concentrate to get the smells out of the carpet and the floor, and buy new padding.

14.6. Cats and dogs have different habits! Dogs most often urinate in the center of a room, making it harder to reach the contaminated areas of carpet, padding and floor. **REMEMBER: The OdorXit® solution must come in direct contact with ALL the odor producing sources.** Leaving the padding in place and treating just the carpet will often reduce the odor to a manageable level but will never eliminate it. Further, if the padding is wet (as it usually is), it will stay wet for at least weeks, and sometimes months, damaging both carpeting and flooring. Weekly spraying of the contaminated area with Magic by OdorXit® will control the remaining odor.

14.7. When cats have contaminated a carpet, it is often along the wall and/or in the corners. This means the carpet, padding and flooring are not the only elements involved. When wall-to-wall carpeting is involved, you'll need to replace the wooden tack strip that holds the edge down.

14.8. In newer construction houses, another area that can be involved is the 2 by 4 along the bottom of the wall and the dry wall attached to it. Urine will wick along the flooring or sub-flooring and under this piece of wood and up between it and the drywall. Whenever the humidity goes up, it will smell bad! The OdorXit® solution must go wherever the urine went in order to stop the odor.

14.9. We recommend that you start your carpet recovery effort with a

carpet-cleaning machine to clean the carpet with carpet shampoo (Manufactures instructions on concentrations). There are many benefits to this method of application:

- i The carpet gets cleaned,
- ii Much of whatever else was used previously to eliminate the odor is removed, and
- iii The wetting additive in the shampoo will help the OdorXit® penetrate deeply into the carpet nap and backing.

14.10. Most upright carpet-cleaning machines will do a great job. Rent one that has agitators or beater bars.

14.11. All carpet-cleaning machines will spray warm to hot solution of carpet shampoo into the carpet and then retrieve the excess solution and much of the dirt from the carpet. This is just what is needed for carpet contamination that has not gotten completely out of hand and ruined the carpet.

14.12. After the cleaning process, use a pump type deck or garden sprayer to apply the OdorXit® Solution (1 part Concentrate 30 parts water) onto the carpet. One quart of solution should do about 50 to 100 square feet of carpet.

14.13. If the carpet seems to be clean but the urine odor persists, the odor is coming from the padding and flooring under the carpet or from spray or urine on the adjacent wall. Heavily contaminated carpet will almost always have to be pulled back and sprayed on the back as well.

14.14. Carpet padding is made of a foam material that is a haven for urine residue. Because padding is relatively inexpensive and easy to handle, we recommend that you cut out the contaminated padding and replace it with new after the odor problem is resolved.

14.15. Spray the floor after washing it (Wood Flooring or Concrete Floors) and the back of the carpet and give the OdorXit® overnight to work.

14.16. When there is urine contamination near the wall, it is very likely that the urine went under the wall. Spraying OdorXit® directly under the baseboard and drywall will usually result in enough volume of OdorXit® to get to the same area the urine went to. Drilling small holes through the drywall and wall plate and then injecting OdorXit® will sometimes be necessary (refer to the picture on the web site at OdorXit.com/?ANSplTools).

14.17. When it appears that the odor is completely gone, spray a mist of plain water everywhere you had urine contamination and wait several minutes. If there's no bad odor, you have successfully eliminated the odors. Now you can tape and staple the new padding in place, replace the removed tack strip and reset (or have the carpet reset) on the tack strips.

14.18. Do not expect one of these household type carpet cleaners to restore badly soiled carpet to new condition. They are not capable of doing the same job that the profes-

sional machines can do, but are excellent for getting the majority of the dirt out. If the carpet is odor free but still not clean enough, call in the pros and have it cleaned again.

14.19. One last note: cleaning your carpets, also removes most dirt and stain repellents, allowing your carpet to get dirty much faster than before. Re-applying Scotchgard® or similar product can restore the dirt repellent action to nearly new levels.

15. Wood Flooring

15.1. When dealing with odors from wood floors, the unfortunate fact is that pet urine spots have generally been left to soak in for days, if not weeks or months. Unfinished flooring under carpet padding is capable of absorbing an enormous amount of liquid. Even finished hardwood flooring has gaps between the boards where liquid can flow and then wick a long way from the initial contamination spot.

15.2. Washing the floor with detergent or TSP before applying OdorXit® will significantly reduce the amount of OdorXit® necessary to eliminate the odor.

15.3. OdorXit® Concentrate should be mixed 4 ounces per gallon or 1 ounce per quart of water for flooring. The concentration is less important than getting the solution in contact with all of the wet and/or dried urine in and on the floor. On resistant areas, adding 1-2 ounces of Hoover regular carpet cleaner

(no additives) per ounce of OdorXit® will improve performance on plywood, particleboard and OSB. Warning! Using carpet cleaner on hardwood may warp or cup the boards; additionally OSB and particleboard are very sensitive to water encroachment.

15.4. The most effective way to apply OdorXit® to flooring is to use a new 1/2 to 3 gallon tank sprayer with a fan type nozzle. Sears, R.L. Flo-Master and Lesco offer good ones. See odorxit.com/?ANGeneral.

15.5. NOTE: Use a new sprayer! OdorXit® does not eliminate the smell of most yard chemicals that may have been used in an existing sprayer.

15.6. OdorXit® solution must be applied so that it has a chance to soak into the unfinished flooring and into the cracks between the boards of plank flooring. Hardwood floor applications should take 10 to 15 minutes to dry; plywood should take 20 to 30 minutes.

15.7. OdorXit® cannot save urine-rotted (black and sticky) wood. Remove the worst of the wood, clean and then use OdorXit® on the wood under the removed wood. Scrape out any soft spots in rafters or joists, and then spray with OdorXit®. When the odor is gone apply floor-leveling compound, replace the flooring with new and move on.

16. Concrete Floors

16.1. Though concrete seems to be a hard, dense material, it is actually

quite porous and can absorb large amounts of pet urine and fecal matter that cannot be washed away. Eliminating these odors is quite simple with OdorXit® Concentrate, if the floor has not been sealed or painted after the contamination.

16.2. Preparation for treating bare concrete with OdorXit® includes cleaning manageable sized sections of floor TSP (Tri-Sodium Phosphate).

16.3. Using a high pressure water sprayer can actually make the problem much worse because it can force the urine and feces residue deeper into the concrete, making it nearly impossible to remove.

16.4. Used properly, where the water blast is striking the floor at less than 45 degrees it can effectively clean the surface of the concrete but often contaminates the surrounding walls.

16.5. Wet the area with detergent solution and keep it wet for 1 or 5 minutes (light scrubbing may help). Rinse with clean water several times. Removing the spent detergent and rinse water with a wet/dry shop vac or carpet cleaning machine is much more effective than mopping or washing it down the drain.

16.6. Do not flood large areas; because some of the urine residue is still water soluble and can be spread around to contaminate a larger area.

16.7. If the floor was previously painted or has tile glue do not remove it because the urine was not

able to penetrate it. The point to remember is; the urine could not penetrate the paint or glue either.

16.8. Multiple heavy applications of OdorXit® solution to the heavily contaminated areas will often eliminate the odor if the contamination is not too deep and extreme.

16.9. Using the TSP approach above may help. Persistent problems may require that the concrete be etched with phosphoric or hydrochloric acid to open the surface of the concrete. If you think you have this problem, call our help line 877-636-7948 before proceeding!

17. Feces Odors

17.1. Removing pet feces from flooring and carpeting is much easier than urine because it is not a liquid and it does not produce the urea salts.

17.2. Removing the bulk of the material and washing the area with detergent will remove most of the odor and stain. If the stain is not completely removed with normal detergent, carpet cleaner will remove the rest of the stain with a little scrubbing.

17.3. Finally, spray the area thoroughly with OdorXit® Concentrate mixed 1 ounce per quart of water and allow the area to dry naturally. In an hour or so, the smell will be removed forever.

17.4. If you are dealing with an overflowed toilet, the problem is a bit more difficult because of the large amount of water added to the urine and feces. If the problem oc-

curred in rental property, it is likely that hours or days have passed since the overflow occurred.

17.5. After the plumbing is cleared and the bulk of the overflow has been mopped up, spray the area thoroughly with OdorXit® Concentrate mixed 1 ounce per quart of water and allow the area to dry naturally. Be sure that areas that are hard to clean, like cracks in the tile, the area under the vanity and heating vents in the floor, get thoroughly wetted with OdorXit® solution.

18. Bathrooms

18.1. Using OdorXit® products to eliminate urine, mold and mildew odors in bathrooms are a common and effective application.

18.2. If the area around the toilet is all ceramic tiles, wash the area with spray cleaner and spray with OdorXit® Concentrate solution 1 ounce per quart of water. Make sure that all the grout is wetted, as well as the tile, the toilet and under the tank.

18.3. If the walls are covered with wallpaper, the problem will be a bit more difficult. Because the glue that holds the wallpaper on the wall is water-soluble, the water in the urine and diluted OdorXit® Concentrate may cause it to release.

18.4. Replacing the wallpaper may be necessary in some cases simply because the urine has soaked through the paper into the wall. If this is the case, remove the wallpaper and residual paste, then spray the wall with OdorXit® to eradi-

cate the odor source in the wall and allow it to dry completely. Replace the wallpaper with a water-resistant variety, if possible.

18.5. If the wall covering is Marlite (plastic coated masonite), make sure the seams and any breaks or cracks in the surface are flooded with diluted OdorXit® Concentrate. OdorXit® concentration for this application should be 1 ounce per quart of water.

18.6. If the floor is carpeted, refer to the Carpets section.

19. Bathroom Mold and Mildew

19.1. Removing mold and mildew odors from walls and other surfaces simply involves hanging a 10 gram OdorXit® AQM/CIO₂ packet over the door or on the side of the vanity. (Not in or very near the shower or tub. This will accelerate the packet and substantially reduce its life).

19.2. In just 2 or 3 days, you will notice the mold has disappeared from the shower walls and floor and the odor will be gone. This is because the mold and spores have been oxidized and will not return soon. See odorxit.com/?ANUsingclo2 for additional information.

20. Removing Odors from Skin

20.1. Eliminating fish, blood, meat and other organic odors from skin is simple and safe.

20.2. Wash the affected skin with warm water and mild hand soap,

rinse, dry and spray with OdorXit® Concentrate solution mixed 1 ounce per quart or Magic by OdorXit®. Rub the OdorXit® lightly until dry. The odor will be gone and the OdorXit® odor can be washed off.

21. Machine-Washable Fabric

21.1. To remove organic odors including urine, vomit, spoiled food, mold and mildew odor from machine-washable fabric, add 1/2 to 1 ounce of OdorXit® Concentrate to the washing machine at the beginning of the wash cycle. Allow the first wash cycle to complete, then delay the first spin cycle for 30 to 60 minutes (you can do this easily with most top loading washers by leaving the lid open). After the wash/soak time, let the machine finish its normal cycles. In some cases, it may be necessary to run the final rinse twice.

22. Furniture with Fabric Upholstery

22.1. Organic odors in furniture upholstery can be a bit more difficult because much of the fabric used on furniture is not colorfast. Before you attempt a furniture recovery project, test OdorXit® on the back of the piece to see what happens. If watermarks are created you will have to decide whether to go ahead or not.

22.2. If the furniture fabric is colorfast, remove as much of the staining material from the surface as possible. Then wash the stain with a combination of water, mild up-

holstery cleaner and OdorXit® Concentrate (mix 1 ounce of OdorXit® with each quart of upholstery solution).

22.3. If you have a wand vacuum cleaner attachment, vacuum the area to remove the cleaner, water and contaminant. Then spray on another application of just OdorXit® Concentrate mixed 1 ounce per quart (32 ounces) of water and allow it to dry.

22.4. If the contamination has soaked deeply into the furniture padding, it will be necessary to treat the padding separately. Sometimes this can be done without removing the upholstery cover, but in many cases, taking the cover off will be a better choice because you'll need much more OdorXit® to get to all the contamination in the padding than is needed for just the covering. In this case and especially with foam padding, you may find that it is cheaper and easier to replace the padding.

23. Leather Furniture & Clothes

23.1. Organic odors in leather products of all kinds are a challenge for a number of reasons, not the least of which is the thickness of the leather.

23.2. In the case of urine contamination, normal cleaning methods do not work because leather can hold a large amount of urine residue. OdorXit® Concentrate is uniquely qualified to work on contaminated leather because it neutralizes the

urine residue rather than removing it.

23.3. Special care is required because getting leather wet can radically alter its texture and flexibility.

23.4. What we have found that works best is to have the leather cleaned professionally to remove the bulk of urine, and anything else you may have applied to the contaminated area. Do not have the leather treated with softeners at this point.

23.5. Spray the area front and back (if you can get to the back) with OdorXit® Concentrate mixed 1 ounce per quart of water, and let it dry slowly. You may have to treat the area a few times over a period of several days to neutralize the urine residue.

23.6. When you think the odor is gone, spray the area with water and sniff. When the odor is completely removed, the water will generate no odor at all.

23.7. With the odor removed, have the area treated with leather softener to restore the original texture and flexibility.

24. Floods and Sewer Backups

24.1. Floods and sewer backups, aside from being a health hazard, often leave a large amount of odor-causing material behind, soaked into walls and drywall, wood, and even concrete. Since the odor-causing agents almost always contain human or animal waste products, OdorXit® Concentrate is

uniquely suited to eliminate the odors.

24.2. The difficulty in dealing with these problems compared to simple basement mold and mildew is that the contamination is everywhere the water was, and the amount of contamination left behind can be massive.

24.3. The first step is to remove as much of the contamination (sludge) as possible to prevent it from drying on surfaces. Start by using electric or gas driven pumps to remove the gross amount of water.

24.4. To get rid of the sludge as well you'll need to hose down the entire area while it is draining. You don't want to let the sludge dry because it will get as hard as cement and extremely difficult to remove. It is much easier and more cost effective to wash as much away as possible before applying OdorXit® Concentrate.

24.5. As soon as the water and sludge have been removed and before the area has dried, hose and/or scrub the affected area with low suds detergent (TSP). Rinse and sweep or squeegee the area nearly dry.

24.6. Third, spray the entire affected area with a low concentration batch of OdorXit® Concentrate. Two ounces of OdorXit® per gallon of water should be sufficient for the first application. Don't forget the inside of the furnace, the bottom of the steps and shelves...everywhere!

After the affected area has dried and aired out for several hours, check the area for odors and treat any persistent areas with the normal concentration of OdorXit® mixed 1 ounce per quart of water.

25. Garbage and Spoiled Food

25.1. Garbage, spoiled food and rotting meat odors can all be eliminated with OdorXit® Concentrate.

25.2. The odor under a sink or counter where food has been allowed to spoil can be treated easily. First, remove the bulk of the spoiled food by sweeping and/or washing the area with detergent and water. Then, spray the area thoroughly with the normal concentration of OdorXit® mixed 1 ounce per quart of water.

25.3. Spraying the inside of a garbage can will reduce but often not eliminate the odor unless the can has been rinsed out prior to spraying; this is because the small chunks of material left in the can do not get soaked with OdorXit®. As the material continues to decompose, additional odor is produced. Spraying Magic by OdorXit sprayed into a garbage can will absorb the odor for several days per application.

25.4. The odor of sour milk in fabric like car seats or carpeting can be eliminated by washing the affected surface area with detergent and water, and then soaking the fabric and padding with low concentration OdorXit® Concentrate (1 or 2

ounces of Concentrate in 1 gallon of water).

25.5. In the case of foam padded seats, several treatments from both top and bottom may be necessary. This is because the foam has a tendency to hide material in nearly inaccessible areas. Unless you really soak the foam, the odor will often return (though substantially reduced) when the car is left in the sun for several hours with the windows closed.

26. Refrigerator Odors

26.1. Home and RV Refrigerators, freezers, and coolers that have been left closed without cooling have a truly unique odor that is normally very difficult to eliminate. However, with a little work and OdorXit® Concentrate you can recover even the worst smelling ones.

26.2. Refrigerators and freezers need to be completely defrosted and thoroughly cleaned before spraying with OdorXit®. You may want to take the unit outdoors and use a garden hose for this step. Seams on the interior and gaskets need special attention while washing and spraying because spilled foods often hide there to decompose and produce bad odors. Rinse completely and wipe dry.

26.3. Spray the entire interior with Concentrate mixed 1 ounce per quart of water. Next, in the back of many refrigerators, there is either a hole in the interior where 2 tubes emerge from the insulation or there is a small passage that connects the freezer section to the refrigerator

section of the unit. Spray this area thoroughly because it is so difficult to wash!

26.4. If your freezer has large vents along the bottom in the front you may need to remove the plastic floor of the freezer in order to clean the food and goop from the cooling coils that hide within.

26.5. Finally, close the doors when you are finished spraying the entire interior of the unit. The next day, briefly air out the unit to purge the residual OdorXit® smell and your refrigerator, freezer or cooler will be ready for use, without the nasty smell!

26.6. An hour spent cleaning and spraying OdorXit® on a really smelly refrigerator can restore a \$900 unit to service instead of replacing it with another.

27. Vomit Odors

27.1. Removing vomit odors requires a 2-step process.

27.2. The first step is to remove the bulk of the vomit material and thoroughly wash the area with a detergent that is appropriate for the contaminated material. Remove as much of the dissolved vomit and detergent/water solution as possible (a Wet/Dry vacuum works great).

27.3. This should be done promptly because vomit contains a significant amount of stomach acid, which will destroy many materials if left to do its damage. If the source is a small pet, the cleaning step can be as easy as blotting up the vomit with a paper towel; for larger animals and humans, the

cleaning step must be more aggressive.

27.4. The second step is to completely wet the area Concentrate mixed 1 ounce per quart of water and leave it to dry. OdorXit® Concentrate alters the remaining odor-causing compounds so that they will not produce odors.

27.5. Auto carpet is often more difficult because it is thin but has a thick absorbent padding (sound-deadening material). Additionally, cars are exposed to very high temperatures when left in the sun, which makes odor problems worse.

27.6. However, the solution is the same, though it may be necessary to remove both the carpet and padding from the car to wash and rinse it completely. Rinsing with a garden hose and nozzle is very effective.

27.7. After thoroughly rinsing, allow both the carpet and padding to dry. Spray or pour diluted Concentrate mixed 1 ounce per quart of water on the affected areas (the ones that still smell bad) and allow to dry slowly (not in the sun).

27.8. When the OdorXit® is dry, the odor will normally be gone forever. If it is not (occasionally the case for vomit that has been left for several days) apply a second dose of OdorXit® solution. More than two applications are almost never required.

28. Kennel and Cattery Odors

28.1. Kennels and Catteries, even when cleaned and disinfected on a frequent and regular basis, are subject to odors that do not respond well to over-the-counter odor control products. Even industrial strength odor control products often have difficulty with urine odors and frequently contain chemicals that are dangerous to both pets and humans.

28.2. Instead of trying to digest the odor-causing urine byproducts, OdorXit® neutralizes these materials, rendering them incapable of producing the gasses that cause objectionable odors.

28.3. Concrete Floor Kennels
When treating bare concrete contaminated with urine and feces wash the area first with nearly any low suds detergent and rinse with water. Then spray the area with OdorXit® Concentrate diluted 1 ounce of OdorXit® to 32 ounces of water.

28.4. In cases where the contamination has soaked deeply into the concrete, we have found that adding 1 or 2 ounce of Hoover regular carpet cleaning shampoo (those that contain surfactants) for each ounce of OdorXit® Concentrate solution makes it work better. When using any product containing surfactants, be careful not to get them on your skin.

28.5. Dogs and cats should not be exposed to the surfactants. If you do use products containing surfac-

tants to get the odors under control, be sure to wash and flush the area after the odors have been eliminated to get rid of the residuals.

28.6. Finally, when using carpet shampoo with OdorXit®, make up only what you can use immediately because the shampoo will neutralize the effectiveness of OdorXit® Concentrate in about 48 hours. It will no longer work.

28.7. Cattery cages, show cages and play pens are areas that often suffer from strong odors including urine, feces, vomit, hair-balls and hormonal spray. Hormonal spray is by far the most pungent and difficult to eliminate. OdorXit® Concentrate is fully capable of eliminating all of these odors, generally with only one application diluted 1 ounce to 32 ounces of water.

28.8. Spraying the bottom of litter pans before adding litter will eliminate the existing urine odor and prevent new odor from developing for days. Spraying Magic by OdorXit will further reduce the litter box odor for days.

28.9. You should not let pets, especially small and very young ones lie in cleaning, disinfectant and odor elimination products of any kind. Even though the warning classification for OdorXit® is extremely mild compared to cleaning and disinfectant products commonly used in kennels and catteries, do not let pets lie in OdorXit® solution or any solution containing surfactants.

29. Tidbits of Information

29.1. This section discusses applications that don't easily fit into other categories.

29.2. Using OdorXit® with carpet shampoo: Mixing some carpet shampoos like Hoover regular shampoo (those that contain surfactants) with OdorXit® Concentrate will improve the penetration of OdorXit® into porous material like wood, concrete and other building materials by a significant margin. Adding 2 or 6 ounces per gallon is usually quite enough to get the desired results, BUT... you need to use all of the mixture within 12 hours. Carpet shampoos break down OdorXit® Concentrate and make it ineffective.

29.3. Treating extreme contamination: We have come across situations of contamination that were so bad that extreme measures had to be employed.

29.4. In a recent case, a room with only pine tongue and groove boards for flooring was severely contaminated with cat urine over many years. Washing the flooring with TSP several times did not stop the urine salts from appearing on the surface after the boards dried. Applying several doses of OdorXit® reduced, but did not eliminate the odor in the room.

29.5. The owner removed several of the worst stained boards only to find that the rafters and ceiling below were also badly contaminated by urine that ran between the

boards. In a case like this, it is clear that saving the flooring boards is probably not cost-effective, but saving the rafters and ceiling material and replacing some or all of the contaminated flooring would clearly be cost-effective and necessary.

29.6. Another example of extreme contamination involved an apartment that had been vacant for repairs for nearly 2 months. When we removed the carpeting we found that the carpet backing in some heavily contaminated areas was still wet with urine! The padding was unusual in that it was foam padding with a plastic membrane with small breather holes on the carpet side. It appears that this plastic trapped most but not all of the urine between the top of the padding and the back of the carpet.

29.7. We could have dumped a quart of OdorXit® solution directly on the area and not gotten all the smell out. Additionally, the carpet backing in these wet areas was so weak that when it was removed the backing split easily. The flooring under the wet areas was treated with OdorXit®. The next day, the urine smell was gone.

30. Odors OdorXit® Products Cannot Eliminate

30.1. Though OdorXit® has the most effective odor eliminator ever formulated, there are odors that even OdorXit® Concentrate cannot eliminate. They include:

- Fire and smoke
- Skunk spray on leather

- Inorganic odors like gasoline and heating oil

31. Applying OdorXit® Concentrate

31.1. Using the proper applicator is an important part of getting the best results from OdorXit®. For very small areas (like a one-time pet accident), a trigger pump sprayer is acceptable. For larger areas you should consider a garden type tank sprayer.

31.2. Warning! Do Not use tank sprayers that have been used for yard or bug poison chemicals. Buy a new one.

31.3. Sears, Lesco, and RL Flo-Master all have several sprayers that we have used and liked. Plastic pump sprayers work better than metal ones because they cost less and don't chip doorframes and cabinetry when bumped.

31.4. All these manufacturers normally provide cone spray nozzles on their units but we prefer the fan spray type because they work better. Nozzles that provide flow rates of .5 to .25 gallons per minute work best. Ask your supplier to install them for you so you know that they will fit your spray wand.

31.5. Flow rates; spraying the walls and ceiling with a high flow nozzle will result in runs and streaks caused by too much liquid. The low and very low flow rate nozzles, (less than .1 gallons per minute) not only put out less material but also cause the spray to be much finer. The higher flow rate nozzles are

required for treating concrete walls or blocks and most wood flooring.

31.6. Adding carpet cleaning shampoo (2 or 3 ounces per gallon) to the mixture of water and OdorXit® Concentrate allows these smaller droplets to completely cover an area without causing runs and drips that can create lasting stains on the walls.

32. Testimonials

32.1. "While cleaning up a vacant apartment, I discovered the tenants had kept their dog closed up in one room while they were gone. Two corners smelled the worst! I sprayed OdorXit® Concentrate on the whole carpet. I came back 2 days later. The smell was better but not completely gone. I vacuumed, and sprayed OdorXit® one more time. The next time I came back, the odor was completely gone. It was easy and inexpensive and I was able to re-rent the apartment right away."

Don Beck, Diversified Investors Group, Philadelphia

32.2. • "We heartily endorse the use of OdorXit® Concentrate over any similar product. We have tried several different brands in the past with mixed results. OdorXit® performs its magic with odors and then goes away. OdorXit® is ideal for rental homes because it can handle different odors and it does not become part of the problem. Several brands may deal with odors but then leave behind an aroma that is almost as unpleasant as the original odor you were dealing with in the first place. Anything that does not

leave a clean or no smell is not what works in rental homes. People associate odors with problems and with OdorXit® there is no problem.”

Louis D. Brown, Trust Associates (Nationally known Real Estate Investment Speaker)

32.3. "I just wanted to take this opportunity to thank you for introducing me to this great product. I had a sick cat that somehow made its way into my completely renovated home and sprayed its urine all over the living room. My cleaning crew tried everything to remove the smell from the house. Nothing worked until I had them try OdorXit® Concentrate. The smell was eliminated immediately and the buyer was willing to continue with the transaction. I truly believe that the deal would not have closed if I had not been able to rid the home of that horrible cat urine smell.”

Robyn Thompson, Home Buyers LLC, nationally known investment and rehab speaker.

32.4. “I wanted to send this note to tell you that OdorXit® is wonderful. I manage two apartment buildings for single, formerly homeless folks. Unfortunately this group is not the most attentive to detail with home cleaning and maintenance. Our primary use of OdorXit® is to clean refrigerators. We have had dozens of refrigerators that had to be thrown out before I found OdorXit®. We have had units which had been turned off and had rotted meat and eggs in them.

OdorXit® took the odor out, saving me \$400 per unit. We have also used OdorXit® to neutralize urine in the floor tiles around toilets and to neutralize and clean up body fluids when a tenant expired and was not found for several days. I heard about OdorXit® when I was in Pennsylvania at a Real Estate training course and have passed the word along to others. Let's not keep a great thing a secret!”

Lois Ann Russell, Senior Property Manager New Haven CT

33. OdorXit® AQM/ClO₂ Air Quality Manager General Usage

33.1. Because ClO₂ (Chlorine Dioxide) gas cannot be safely bottled, compressed or shipped, OdorXit® AQM is supplied in powder form in an air-tight Mylar outer package and a specially sealed white micro-pouch® reactor inner package to protect the user from the powdered chemicals and control the rate the ClO₂ is produced and released.

33.2. When the powder is exposed to water vapor or water, a reaction is started that produces chlorine dioxide gas. Controlling the amount of water vapor entering the micro-pouch® package and the exact makeup of the powder in the packet determine the rate the ClO₂ gas is produced.

33.3. The keys to the effective use of ClO₂ are to:

- i Make sure the odor is being caused by an agent that will oxidize. Agents that will oxidize include but are not limited

to tobacco and fire smoke, mold, spores, germs, garbage, skunk, ferret, and cat spray (but not urine odor) dog body oils (causes wet dog smell), rotting meat and vegetable matter, curry and fish lingering odors, burned popcorn in a microwave smell, and even allergens in the air.

ii Get the ClO₂ to the odor causing agent. Since it is a gas, OdorXit® AQM/ClO₂ easily gets to odor causing agents in closed spaces and is more successful with a small fan near the pouch to stir the air.

33.4. The OdorXit AQM micro-pouch is made to last 20-30 days. It is made to release a small amount of chlorine dioxide each which at that rate is perfectly safe for adults, children and pets to breath.

33.5. If too much moisture/humidity or water is added to the packet, 30 days of ClO₂ will be produced in 2 days. That will be too much for safe breathing and should leave the area.

33.6. See below for specific application information.

34. Using AQM/ClO₂ to Remove Odors From Small Items

i Removing odors from small items and those that cannot tolerate water can be very difficult. However, items like books, toys, shoes, clothing and memorabilia of all types that have mold, tobacco smoke, or fire smoke can be recovered

without further damage with OdorXit® AQM/ClO₂.

ii Remove the inner micro-pouch from the Mylar outer packet and place it in the included adhesive backed pouch on the wall of a metal storage cabinet, plastic storage tub, small closet or school locker. (Do not use a cardboard box because cardboard actually absorbs most the ClO₂ gas and oxidization of the odor will not occur.) The mentioned containers will adequately contain the ClO₂ gas while your items are being deodorized.

iii Mold and its odor are normally removed in as little as 1 or 2 days. Wiping away the bulk of the mold fungus (blooms) before treatment will greatly improve your results.

iv Smoke odor (both tobacco and fire smoke) will take 2 to 4 days of treatment. Washing washable items before treatment with AQM will improve results.

v Shoe odor will take 1 or 2 days. Because of the shape of shoes and boots, using a very small fan to circulate the air and ClO₂ into the shoes and boots will greatly improve your results.

35. Removing Sports Equipment Odors from Gym Bags, Lockers and Closets

35.1. Using the 10 gram packet of OdorXit AQM/ClO₂ placed in the

clear adhesive backed pouch and placed on the end or side of the bag and will eliminate the body and fungus odor from your athlete's sports equipment.

35.2. Laying the clothes neatly (not wadded) in the gym bag and unfold any equipment so the vapor from the AQM packet can circulate all around the items in the gym bag will vastly improve product performance.

35.3. In a locker or closet, hang the clothes with a slight space between each hanger and piece of clothing, again so the vapor can circulate on all sides of the items. You'll need a small personal fan set on low, sitting on the floor pointing upward to help circulate the vapor because it tends to accumulate on the floor..

35.4. The vapor must come in contact with the odors and odor sources to oxidize them.

35.5. Open the silver mylar packet when you are in the area where you want to use the product. Insert the white micro-pouch® into the plastic container that came with your purchase. (You don't want your items to be in direct contact with the white micro-pouch.)

35.6. Place the self-adhesive plastic pouch at the end of the gym bag or on the base of the fan in a locker or closet.

35.7. If you've received the plastic clam shell, place it at the bottom of the gym bag, closet or locker with the holes side up, allowing the vapor to escape into the enclosed container.

35.8. Close the closet, locker or gym bag to keep the vapor inside the enclosed area.

35.9. Normally, it would take 1-5 days to oxidize these odors. Since the locker and the gym bag are so small, it could take much less time to oxidize the odors.

35.10. If you are in a very dry area, add 1-2 drops of water to the clear pouch to raise the humidity to start the creation of the ClO₂ gas and the oxidization process.

35.11. **DO NOT ADD** any more water than that. It WILL speed up the production of the ClO₂ and materially reduce the time ClO₂ is produced resulting in the incomplete oxidization of all the odor sources. You will also not want to breathe that stronger ClO₂.

35.12. Used properly, ClO₂ will not harm leather, plastics, elastics or fabric in athletic ware.

35.13. The AQM pouch can last 20-30 days depending on how wet the clothes in the bag, locker or closet are. Excessive moisture (water) will cause the packet to produce more vapors for a shorter period of time (as little as 1 day) which is much too short for this application. You should also avoid breathing that higher concentration of ClO₂.

35.14. Dispose of the white micro-pouch in an outside trash can or place into another bag or closet if the packet is still producing ClO₂.

35.15. The vapor will oxidize the odors of smoke, mold, mildew, cooking odors (such as curry, fish

and even burned popcorn in a microwave) in the treated area.

36. Burned Popcorn Odor in a Microwave

36.1. Use a 10 gram packet for the microwave to get rid of burned popcorn smell.

36.2. Just place the micropouch in the microwave on plate or in a glass or ceramic cup.

36.3. Add 1-2 drops of water not directly on the micro-pouch.

36.4. Close the microwave door and come back t day and the odor will be gone.

37. Tobacco and/or Mold in Vehicles

i Using the 10 gram version of OdorXit® AQM on odors in your car or truck is an extremely simple and safe procedure when you follow the directions. Just attach the included ‘peel and stick’ plastic pouch to an inconspicuous place in your vehicle (like on the bottom of the dash board, or behind the seat in a 2 seat pickup truck) with the opening up.

ii Open the Silver Mylar packet and remove the white micropouch® packet inside. (NEVER open the micropouch.) Insert the 10 gram OdorXit® AQM packet into the clear pouch. If you live in a very dry climate, you should place a few drops (no more than 2-3 drops) of water in the plastic packet – not on the micropouch® - before inserting it into the pouch. This

tiny amount of water is all that is needed to start the production of chlorine dioxide and begin the deodorization of your vehicle.

iii All sizes of OdorXit® AQM packets produce gas for 20 to 30 days depending on the relative humidity. (The higher the humidity the shorter time it lasts.)

iv Using a 10 gram version of OdorXit® AQM in fast mode by adding 10 drops of water is a bit more complex and the following instructions must be followed carefully to avoid exposing yourself to potentially dangerous levels of ClO₂.

v First, before opening the silver Mylar packet, prepare the car by emptying the ash trays and clean them with detergent and water.

vi Remove personal belongings and debris from the vehicle. Vacuum the interior of the vehicle, including the floor mats and under the floor mats.

vii Wipe dust and dirt from the dashboard and other surfaces.

viii Then place the water in the plastic pouch and insert the white Tyvek packet into the pouch. Do NOT stay in the car more than 10-15 minutes breathing the higher concentration of chlorine dioxide.

ix Remove the white micropouch® from the foil shipping package and place into the self adhesive packet.

x Fasten the self adhesive packet to the center of the car. Do not allow the deodorizing pouch to contact the interior of the vehicle as bleaching will occur.

xi Place a small personal fan on the floor of the car to circulate the gas into the air so the gas gets to all the nooks and crevices where smoke and odors are hiding. Without a fan, the gas, since it is heavier than air, will sit on the floor and not oxidize odors near the top of the car.

xii Close all the doors and windows of the vehicle and wait 2-4 hours depending on the amount of odor present.

xiii Open all the doors of the vehicle, and wait for at least 5 minutes before entering the vehicle.

xiv Remove the deodorizing pouch from the vehicle and either move it to another car that been prepared and needs deodorizing or discard the pouch in an outdoor refuse container. **DO NOT DISCARD POUCH INDOORS.**

xv Note: The AQM pouch will continue to produce higher than safely breathable amounts of chlorine dioxide for 12 to 24 hours when 10 drops of water have been added. So it can be picked up and moved to be reused in other cars or closets, small spaces that have odors that need oxidized - several times during this period.

37.2. Using AQM on Moldy or Smelly Furniture

i Furniture that smells of mold or mildew can be treated effectively with AQM by placing a 10 gram packet in or near the furniture with a small personal fan to circulate the ClO_2 around and into the piece. Remove the inner white micro-pouch from the Mylar outer packet and place it with a few drops of water (if the relative humidity is below 40%) on a plate or in the provided clear pouch inside the furniture or drawer for a day or two per isolated space.

ii When treating a roll-top or secretary type desk, open or remove the drawers and bins and place them so that the ClO_2 can get behind them as well as inside them. Place the packet on a plate or in the pouch as above and close the roll top or secretary door for a day or two.

iii If the mold is on the outside of the piece, make a tent out of a plastic drop cloth creating an air space on top of the piece and put a 10 gram packet under the tent with the piece. Open or remove all the drawers and doors so that the ClO_2 can get inside all the places that need odor removal. Leave undisturbed for 1 to 3 days then check for odor.

iv Because the space is so small, plenty of the gas is being produced and often no fan is needed to stir the air unless the piece is very tall. Be careful to completely air out the area

when you remove the tent and are preparing to stay in the room or area.

37.3. Using ClO₂ in Smelly Basements

i Mold and musty smells in basements and cellars make clothing smell bad and in some cases actually damages the clothing and other fiber products stored below grade.

ii Using one or two 25 gram OdorXit® AQM packets in a basement area that has active mold or just that musty smell will not only eliminate the musty smell, it will oxidize any active mold and mold spores and other allergens that are there as well.

37.4. Using a small desk fan or box fan on low to stir the air and ClO₂ will assure maximum benefit. Often, the only thing you will notice is the lack of musty smell when this product is working.

37.5. If you have an extreme case of mold (for example, when a basement has been flooded by a storm or there has been an extended power failure), using the AQM with 10 drops of water will speed the process to just 24 hours and oxidize the mold, spores and germs in the open spaces. Properly placed fans are critical to success.

37.6. Often times 24 hours to get rid of nasty smells that have taken years or months to accumulate sounds to good to be true. And often it is. If it took years to accumulate, letting the packets react for

20-30 days with a fan to allow the gas to travel to all the hard to get to places will be much more effective at eliminating odors than trying to get rid of them overnight. Be patient. Use the 20-30 days treatment procedure when ever you can. You will get rid of more odors that way.

38. Using ClO₂ on Trash Containers

38.1. Trash containers and closed dumpsters that contain kitchen waste and other materials that are prone to producing very bad smells can be treated long term with chlorine dioxide gas. It not only controls the odor but oxidizes most of the germs that cause the smells as well. The only requirement is that the container be closed most of the time to contain the ClO₂ gas.

38.2. The size of the container and the amount of air leakage determine the size of the AQM pouches. As an example, a 30 or 50 gallon garbage can with a tight fitting lid will require only a 10 gram pouch to control the odor for up to a month. A garbage can with a loose fitting lid will need a 10 gram pouch too. A dumpster with a hinged top and 1 or 2 side access doors will need a 25 gram pouch.

38.3. Users of the dumpster need to be instructed to close the doors after use, if they wish to have a garbage disposal facility that does not smell bad.

38.4. Waste Containers (Trash cans): Tear open the foil packaging pouch prior to use and remove the

10 gram AQM pouch. Attach the pouch to the side of the lid of the container with the included self adhesive pouch (so that the pouch does not get thrown out with the garbage). Do not pierce the micropouch® when attaching it to or removing it from the container! Each pouch will produce ClO₂ for up to 1 month.

38.5. Refuse Containers (Dumpsters): Tear open the foil packaging prior to use and remove the 25 gram AQM micropouch. Using the included self adhesive packet (so that the pouch does not get thrown out with the garbage), attach the pouch to the side of the dumpster in an area where it will not be torn off by the trash being dumped out. Do not pierce the AQM pouch attaching it to or removing it from the container! Two 25-gram pouches will treat a closed 160 cubic foot container for up to 1 month. To be effective, the container doors must remain closed.

39. Using OdorXit® Concentrate for Taxidermy

39.1. OdorXit® Concentrate is safe to use on any hide and does not require rinsing or special treatment after use. It must come in direct contact with the material that is causing the odor. This might be the oil excreted from scent glands, or the oil encountered when skinning-out a fish, or any number of other sources because there is no perfume or covering scent in OdorXit Concentrate, there will be no lingering odor of any kind.

39.2. When you soak a hide in preparation for mounting, add some OdorXit® Concentrate to the water, (2 to 4 ounces per gallon of water) and let it work. When you are ready to mount the hide, the odor will be gone, and in a few hours, the OdorXit® smell will be gone too.

39.3. Hides that are already mounted can be sprayed with OdorXit® solution to eliminate odors. Mix OdorXit® Concentrate 2 ounces per quart of water and spray it on the hide, hair and horns to wet the area that has the problem. Brush it into the hair and hide and let it dry slowly (do not use a fan).

39.4. Depending on the animal and the amount of odor, you may have to treat the mount more than once to eliminate the odor entirely. When the odor is deep in the hide, it takes a step by step approach with progressive levels of aggressive treatment to eliminate the odor. As always, OdorXit® Concentrate MUST come in contact with the odor-causing agent in the hide to neutralize the odor. Repeated superficial treatments will not solve this problem.

39.5. OdorXit® eliminates most glandular secretion odors. There are a few that do not respond and as they become apparent, we will publish the list so that you don't waste your time and OdorXit® on these problems.

39.6. Pet Urine Odors in Hide Rugs OdorXit® was originally formulated to eliminate pet odors in carpeting, flooring and other places

where dogs and cats urinate. Eliminating these odors in a Bear Rug is much the same as the procedure required for any other odor in a hide.

39.7. The affected area must be thoroughly wetted with OdorXit® solution and left to work for several hours. Because urine has a tendency to soak deeply into porous materials, wetting both sides of the hide will improve the penetration and reduce the amount of OdorXit® required to do the job.

39.8. So you're frustrated because you're not getting odors out of your shoes, your mattresses, even your basement. You're upset because you think you've tried everything and nothing works. And you still have a ray of hope that something else just might have the answer.

39.9.

WHO YA' GONNA' CALL?

39.10. The Odor Wizard on our website

www.odorxit.com/?wiz and

**877-Odor-Xit
of Course!**

