

Bio Release

All-In-One Urine Odor and Stain Remover

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BIO RELEASE is a concentrated, active solution with over 20 ingredients designed to eliminate organic odors and stains from carpet and other soft surfaces. Urine, vomit, feces, milk, and other organic materials are quickly broken down by our proprietary enzymatic and bacterial blend. Bio Release also contains a surfactant mix that lifts the organic material off the fiber so that it can be easily rinsed away.

- The ultimate all-in-one urine stain and odor solution. Using the latest scientific research, we've packed 20 ingredients into the formula to create the most effective organic cleaner scientifically possible as of the time of release.
- Four targeted enzymes break up contaminants, including pigments from urine.
- Blend of anionic and low foam, non-ionic surfactants release contaminants from fibers and make it much easier to rinse greasy, and built-up organic material from fibers.
- Four strains of beneficial microorganisms break down contaminants, both before, and after, thorough flushing with Water Claw® tools.
- Beneficial microorganisms will continue to digest contaminants in the carpet pad at the cellular level while the surfaces dry.
- Odor encapsulant destroys odors at first contact and any remaining encapsulant will continue to neutralize odors throughout process.
- Our pleasant fragrance is a homeowner favorite, and will last long enough to cover odors until the work of digestion is complete, but not so long that it outstays its welcome.
- Anionic polymer limits wicking and neutralizes any re-soiling residues from remaining ingredients in formula.

Part Number: 1630-9078

7.0 RTU pH

Contents: One U.S. Gallon (3.79 Litres)

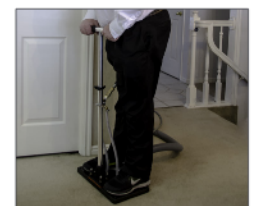
Available in Gallons and 4 x 1 gallon cases

ALL-IN-ONE DIRECTIONS

Thoroughly inspect the affected area with an ultraviolet light and/or moisture sensor designed for urine discovery to determine the extent of the urine damage. This all-in-one formula is designed to work for a majority of urine damage situations. It works against a wide range of organic contaminants including urine, feces, vomit, skunk odor, milk, and more. However, multi-step processes will be more thorough than a one step process for some situations. Shake well before using as spores settle over time to bottom of container.

We recommend a dilution of 1 to 4, which can be applied with a Hydro-Force® in-line sprayer with the metering tip removed and the lowest heat setting on the truckmount. Mixing product in a bucket may be quicker for larger areas of contamination. The amount of applied solution is determined by amount

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**BRIDGEPOINT
SYSTEMS**

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of dwell time and the severity of the contamination. Apply more solution when available dwell time is less. When more dwell time is available, then less solution needs to be applied. The applied solution needs to effectively wet the carpet backing, pad, and sub-surface for best results.

The 1 to 4 dilution allows Bio Release to be the pre-spray for the entire room unless other extreme soiling not related to urine is present. Dilute 1 to 4 when treating the entire room prior to extraction and for injection of problem areas after cleaning process is complete. Bio Release can also be applied ready to use from the bottle as well as 1 to 1, 1 to 2, and 1 to 3 depending on sprayer, available dwell time and level of contamination. If applying to dry carpet, dilute with 1 part warm water to activate bacteria. In short, dilution is determined on every job based on available dwell time and the severity of the problem and can override any label recommendations. You are the expert at the job site. Act accordingly.

Be sure to heavily apply Bio Release to areas with severe contamination. The area of severe contamination will extend outward several inches beyond the visible surface stain. Allow as much time dwell time as possible. This dwell time enables the enzymes and surfactants to break down stains and contaminants for easier bacterial action and for more thorough flushing. The more time and/ or more solution, the better the results. However, the remaining bacteria will grow, multiply and digest remaining contaminants for the next few days so the specifics of the job may override the ideal dwell time.



Flush thoroughly after appropriate dwell time with a Water Claw® with Injector remembering to use at the lowest heat setting on the truckmount.

Use of a mild acidic rinse (1 to 320, 1 to 640) like End Zone or Flex Ice will neutralize offensive ammonia salts by lowering pH to the neutral range of 6 to 8 pH. Keep flushing until color of urine or presence of foam is no longer seen through Water Claw®. Injection of Bio Release to the pad level after clean-

ing if there are any areas of concern due to extreme organic contamination. This will help with odor removal at the pad and sub-surface level.

A note about staining. Polyester carpets (70% of residential carpet sold in 2018) are not stained by urine and a simple rinse will remove the surface issue. The package of enzymes and surfactants should deal with most urine pigments in nylon through dispersal and extraction. Any remnants of the stain can be easily removed from nylon by surface misting of Urine Stain Remover or Stain Zone, which makes the stain invisible by adding oxygen to the molecule.

A note about Oriental rugs. Rug plant situations are ideal since the Bio Release can be applied front and back with extended dwell time before mandatory thorough rinsing. Some industry tests have established that enzymes are not problematic for wool in regards to short term exposure, but need to be thoroughly rinsed out of

the rugs along with the contaminants. Extensive pre-testing for dye migration is essential before any treatments. Bio Release works to remove urine stains mechanically at the cellular level. Stubborn



stains will need to be altered chemically by hydrogen peroxide at 3% strength on wool. Be advised that most industry hydrogen peroxide products will be higher than 3%. Safer hydrogen peroxide treatments at 3% may involve many applications for wool. It also may not be necessary to add any additional cleaning steps as the rinsing of the Bio Release may result in a suitable cleaning outcome for wool rugs.