



# FAQ's

## Frequently Asked Questions



**RxDestroyer.com**

## Q: WHAT'S THE DEA DEFINITION ON NON-RETRIEVABLE?

**A:** The final rule implements a standard of destruction: *non-retrievable*. The process utilized to render a substance "non-retrievable" shall permanently alter the substance's physical or chemical condition or state through irreversible means and thereby render the substance unavailable and unusable for all practical purposes. A substance is considered "non-retrievable" when it cannot be transformed to a physical or chemical condition or state as a controlled substance or controlled substance analogue. [CLICK HERE](#)

## Q: DOES RX DESTROYER™ PHARMACEUTICAL MEET DEA DISPOSAL STANDARDS?

**A:** YES. Medications are adsorbed to carbon which are subsequently scientifically irretrievable. Patented formula meets DEA regulations for destruction of controlled substances by deeming "non-retrievable". [DEA Definition of "Non-retrievable"](#).

## Q: CAN DRUGS BE ABUSED AFTER PLACING IN RX DESTROYER™?

**A:** NO. Drugs have been chemically attached to Rx Destroyer™ activated carbon. Use of extreme heat (~1700 degrees F) may be attempted. However, at this temperature, drugs are atomized or destroyed. [CLICK LINK](#) for additional information and test reports.

## Q: WHAT IS RCRA?

**A:** The [Resource Conservation and Recovery Act \(RCRA\)](#) gives EPA the authority to control hazardous waste from "cradle-to-grave." This includes the generation, transformation, treatment, storage, and disposal of hazardous waste. RCRA also set-forth a framework for the management of non-hazardous solid wastes. The 1986 amendments to RCRA enabled the EPA to address environmental problems that could result from underground tanks storing petroleum and other hazardous substances.

Always follow recommended guidelines of your facility, local, state, tribal and federal regulatory agencies for proper disposal of pharmaceutical waste. If your facility requires and does not have a pharmaceutical waste service provider, Rx Destroyer™ can recommend a service provider.

## Q: HOW LONG DOES IT TAKE TO ADSORB OR DEEM DRUGS IRRETRIEVABLE?

**A:** Adsorption or irretrievability time varies depending on many factors including environment, drug type, quantity and cocktail combinations. As scenarios are infinite, testing demonstrates that it may take between 30 seconds to 7 days to create a non-retrievable state, non-usable state adhering to the DEA standard. For this reason, we recommend keeping Rx Destroyer™ containers in-use and kept in a controlled and secure location.



## Q: I SEE CAPSULES FLOATING IN RX DESTROYER™. HAVE THESE MEDICATIONS BEEN NEUTRALIZED?

**A:** Capsule and contents may be lighter than water which is why you may see some floating. Capsule shells come in hard or soft shells manufactured in a variety of materials such as protein based gelatin and other bio-safe polymers. During the adsorption/destruction/neutralization process some may appear in the original form or varying levels of collapse. These shell conditions are considered normal and expected.

Example: OROS (Osmotic Release Oral System) is an advanced controlled release oral drug delivery system in the form of a rigid tablet with a semi-permeable outer membrane and one or more small laser drilled holes in it. As the tablet passes through the body, water is adsorbed through the semipermeable membrane via osmosis, and the resulting osmotic pressure is used to push the active drug through the opening in the tablet. OROS is a trademarked name owned by ALZA Corporation, which pioneered the use of osmotic pumps for oral drug delivery. Like the human stomach, Rx Destroyer™ formulation has penetrated capsule and neutralization has begun or complete. Many variables determine if capsule shell completely dissolves or remains intact. In fact, like floating capsule shells in the Rx Destroyer™, it's common for end-users to find.

## Q: HOW CAN OUR FACILITY DETERMINE WHICH MEDICATIONS ARE CONSIDERED HAZARDOUS?

**A:** Due to sheer number of medication variations including new product introductions, there is no single source answer. In fact, the federal government has not updated the **U-List and P-List** since 1975. To make matters more challenging each facility is responsible for identifying hazardous waste.

Under the RCRA, a solid waste is hazardous waste if it exhibits one of four characteristics – ignitability, corrosivity, toxicity, or reactivity – or if it is specifically named on one of the four **EPA lists of hazardous waste, P, U, F, and K**, in 40 CFR §261.2, subpart D. Drugs listed under P and U include specific unused chemicals; drugs under U are toxic, while those under P are considered acutely toxic.

Rx Destroyer™ recommends a combination of efforts including staff and consulting pharmacist review site formulary. If additional assistance is required, there are a number of outside analysis firms available to perform waste analysis. Also, be aware local, state and tribal regulations may vary.

## Q: CAN RX DESTROYER™ PHARMACEUTICAL DISPOSAL SYSTEM ACCOMMODATE TRANSDERMAL PATCHES?

**A:** Yes\*. Simply remove from packaging and drop into Rx Destroyer™ pharmaceutical disposal system. If patch is large, Rx Destroyer™ suggests folding with patch's skin surface facing outward. As always, following safety guidelines, rules and regulations by which you are governed.

\*Note: Ultimately, it is the prerogative and responsibility of the Rx Destroyer™. User to add and manage drugs at their discretion. Subsequently, user must follow rules and regulations under which they are governed for safe and responsible disposal.



**Q: WHAT IS TO BE DONE IF EFFERVESCENCE OR GASSING MEDICATIONS WERE INADVERTENTLY ADDED AND THE BOTTLE APPEARS SWOLLEN?**

**A1:** DO NOT OPEN. Consult supervisor immediately. Take all necessary steps to safely transfer bottle(s) to controlled disposal area. Review list of additives to ensure gas causing items or combinations of gas causing items are not replicated.

**Q: WHY DO I NEED A WITNESS DESTRUCTION LOG?**

**A:** All controlled substance destruction must be recorded on a Witness Destruction Log ([see log example](#)). This means that two witnesses have overseen the on-site destruction of the controlled substances. The log records date, dosage, amount destroyed, destruction method and date with signature of each witness. The witness log is kept on-site for 3 to 5 years per state regulations. Since Rx Destroyer™ is used to waste non-hazardous controlled substances, the witness log could be reviewed to ensure that only non-hazardous drugs were placed into the Rx Destroyer™ bottle. The witness log verifies that the Rx Destroyer™ contains a non-hazardous carbon mixture and therefore the bottles can be discarded into a non-RCRA pharmaceutical waste bin or non-hazardous industrial waste bin.

**Q: WHAT INFORMATION DOES A WASTE HAULER NEED TO ACCEPT RX DESTROYER™ PRODUCTS?**

**A:** Within the acute healthcare market, major waste hauler policies state they will accept regulated medical waste when it's been properly documented and segregated. Rx Destroyer™ products are typically considered Non-RCRA Pharmaceuticals and Non-Hazardous Waste must be characterized and certified as non-RCRA hazardous material by the generator. In cases where a facility has determined they can safely commingle hazardous and non-hazardous in Rx Destroyer™, Generator shall follow worst case disposal scenario processes to ensure safe and proper disposal of bottle contents. The "Witness Disposal Log" is the Generator's record and proof of Rx Destroyer™ contents.

**Q: WHAT IS THE PROCESS IF HAZARDOUS MEDICATIONS ARE LOADED INTO RX DESTROYER?**

**A:** Generators are ultimately responsible for product contents, if hazardous medications are loaded into the Rx Destroyer™, then the bottle must be disposed as RCRA hazardous waste. Consult supervisor for facilities, local, state or federal rules/guidelines.

**Q: DO YOU HAVE AN SDS SHEET?**

**A1:** Rx Destroyer™ PRODUCT SDS Sheet ([CLICK HERE](#))

**A2:** Rx Destroyer™ HARDENER SDS ([CLICK HERE](#))





## Q: WHAT IF I SPILL THE RX DESTROYER™?

**A1:** Rx Destroyer™ contents are Eco-Friendly and in itself non-toxic or hazardous. See [SDS](#).

**A2:** Follow facility, local, state and federal guidelines for cleanup. Always maintain a list of medications added to system.

**A3:** If in doubt, contact Poison Control Center 800-222-1222

## Q: CAN I USE RX DESTROYER™ PHARMACEUTICAL DISPOSAL SYSTEM MORE THAN ONCE?

**A:** Rx Destroyer™ pharmaceutical disposal system is a multiple use system. Continue to add until reaching 2" of the bottle opening. When not in use, always store in a controlled, safe and secure location.

## Q: WHAT DO I DO WHEN THE CONTAINER IS FULL?

**A:** Rx Destroyer™ was developed to be disposed in the common trash. Some business types require incineration to mitigate risk. If you need to explore [incineration](#), please call for affordable pick-up mail-back options in your part of the country.

Always review your company's processes and policies or consult local, state, tribal or federal agencies for regulations that apply to your facility prior to use.

## Q: WHY AND WHEN ARE THE RX DESTROYER™ HARDENER POUCH(ES)?

**A:** [Rx Destroyer™ Hardener](#) helps prevent potential messy liquid spills in the waste stream. DUST FREE formulation converts Rx Liquids™ to Solid Gel meeting [SW-846 Test Method \(paint filter liquids test\)](#). Simply add pouch to container... No cutting or pouring. No powder plumes. No mess. Pouch wrapper developed to begin dissolving on contact.

- One (1) Hardener pouch per 64 oz. "container"
  - Example 1: One (1) hardener pouch per 64 oz. container
  - Example 2: Two (2) hardener pouches per '1 gallon' container
- Prior to discarding, tightly replace the cap and gently shake bottle until the fluid becomes a non-moveable solid gel
  - Converts to gel normally within 5 minutes
  - Need Rx Destroyer™ SDS Sheet? [CLICK HERE](#)

## Q: IS THERE AN EASIER METHOD TO MASS LOAD MEDICATIONS INTO THE RX DESTROYER™ CONTAINER?

**A1:** Rx Destroyer™ accessories includes our standard funnel RXFUN and [RXFUN32](#) deluxe model which physically attaches to containers. Both allow for easy and convenient dispensing of mass quantities.



**Q: WHY AND WHEN ARE THE RX DESTROYER™ HARDENER POUCHES ADDED TO THE LIQUIDS BOTTLE?**

**A1:** Yes. However, the hardener is optional.

Liquids products includes enough hardener pouches for each bottle. Additional pouches may be ordered separately. Product performs exceptionally well on container contents containing at least 10% water. Some medications, drugs or combinations may not be compatible with Rx Hardener™ due to their chemical composition.

**Q: WHAT IF RX DESTROYER™ FREEZES PRIOR TO USE?**

**A:** Simply allow to thaw and use as directed.

**Q: WHAT IS THE SHELF LIFE OF RX DESTROYER™?**

**A:** Rx Destroyer™ products are manufactured on-demand and processed based upon common FIFO (First-In, First-Out) inventory methods. Subsequently, orders shipped have a 'born on' date no later than 30 days prior to ship date.

**A1.** Unopened containers – Five (5) years

**A2.** Once medications have been added, no longer than (1) year is suggested. If additives are bio based, user may want to dispose as soon as possible to avoid odors and or potential mold growth. As it is impossible to predict all additive combinations, please consult and follow facilities, local, state, tribal, and/or federal guidelines.

**Q: DOES RX DESTROYER™ MEET CALIFORNIA SAFE DRINKING WATER AND TOXIC ENFORCEMENT ACT OF 1986 ("PROP 65")?**

**A:** Rx Destroyer™ products do not contain items in the Prop 65 chemical list. Therefore, Rx Destroyer™ products do not require the label notification as directed in the rule.

**Q: WHAT US PATENTS APPLY TO RX DESTROYER™?**

**A1:** US Patent #9,403,197 issued August 2, 2016

**A2:** Other filings pending

