DEA-Registrants: Methods of Destruction  
Non-Retrievable: Section N. Destruction/21 CFR Part 1300  
Effective October 9, 2014

1. **Non-retrievable is the required end result**  
The DEA has determined that the most effective way of ensuring that the non-retrievable standard of destruction remains current with continuously changing technology is to provide a required end result rather than specify what means achieve or fail to achieve that result.

2. **No further DEA regulations required**  
The DEA believes that further regulations regarding substances that have been rendered non-retrievable are currently unnecessary because a non-retrievable substance cannot be abused and diversion to illicit use is futile.

3. **No evaluation, approval or review of non-retrievable methods**  
The DEA will NOT be routinely engaged in evaluating new technologies intended to render controlled substances “non-retrievable”. Much like the DEA does not evaluate, review or approve the specific processes or methods utilized to produce, synthesize or propagate a controlled substance. The DEA will not evaluate, review, or approve the processes or methods utilized to render a controlled substance non-retrievable, as long as the desired result is achieved. The DEA will not be engaged in reviewing or approving new destruction methods prior to allowing their use.

4. **Definition of non-retrievable standard**  
A substance is rendered non retrievable when its physical or chemical state is permanently and irreversibly altered, unavailable and unusable for all practical purposes.

5. **Chemical Destruction**  
Current technologies that may achieve the non-retrievable standard are INCINERATION and CHEMICAL DESTRUCTION

6. **Secure, convenient and responsible methods**  
This standard is intended to allow public and private entities to develop a variety of destruction methods that are secure, convenient, and responsible, consistent with preventing the diversion of such substances.

7. **Flexible options to meet resources, needs and new advances**  
The DEA standard of destruction provides communities the flexibility to tailor disposal options to meet their resources and needs and allows for advances in technology.

8. **Rx Destroyer™ meets DEA non-retrievable standard.** Once a controlled substance is rendered non-retrievable, it is no longer subject to the requirements of the DEA regulations

In consideration of the Disposal Act's goal to decrease the amount of pharmaceutical controlled substances introduced into the environment, the DEA emphasizes that:

- ➔ SEWERING (toilet flushing or drain pouring) and
- ➔ LANDFILL (crushing to disguise with kitty litter or coffee grounds)
- ➔ **DO NOT MEET** the non-retrievable standard
MATERIAL SAFETY DATA SHEET

Product Name: RxDestroyer™
Manufacturer’s Name: C2R Global Manufacturing Inc.
Address: 133 Industrial Dr.
Burlington, WI 53105
Telephone Number: 262-363-7004
Emergency Telephone Number: same
Date Printed: February 27, 2014

SECTION 2 - COMPOSITION

Chemical Name: 
CAS No.: 
PEL: 
TLV: 
Wt %:
This product contains no hazardous ingredients above minimum reporting levels.
This product contains no OSHA, NTP, or IARC listed carcinogens.

SECTION 3 - HAZARDS IDENTIFICATION

Emergency Overview: Thin liquid with granules which may be irritating
Eyes: Irritating.
Skin: Irritating.
Inhalation (respiratory tract): Irritating.
Ingestion (gastrointestinal tract): Irritating.
Chronic (Cancer) Effects: There is no known effect from chronic exposure to this product.
Teratology (Birth Defect) Information: Components are not known to cause birth defects in humans.

SECTION 4 - FIRST AID MEASURES

Eyes: Flush immediately with running water for fifteen minutes. See a physician if symptoms persist.
Skin: Flush with water immediately. See a physician if symptoms persist.
Inhalation (respiratory tract): Remove to fresh air. See a physician if symptoms persist.
Ingestion (gastrointestinal tract): Dilute stomach contents with water, if conscious. See a physician.

SECTION 5 - FIRE FIGHTING MEASURES

Flash Point: >200 degrees F PMCC (non-flammable) UEL: not applicable
Flammable Limits None LEL: not applicable
Autoignition Temperature: None
Extinguishing Media: Product is non-combustible. Water, foam, carbon dioxide or dry chemical may be used.
Special Fire Fighting Procedures: Standard fire fighting procedures apply.
Unusual Fire and Explosion Hazards: No unusual fire hazards.

SECTION 6 - ACCIDENTAL RELEASE MEASURES

Action to Take for Spills and Leaks: Small spills should be mopped up. Large spills should be diked with inert absorbent. Material may be pumped back into container or neutralized for disposal.

SECTION 7 - HANDLING AND STORAGE

Handling: Avoid contact with eyes. Avoid prolonged contact with skin. Do not ingest. Keep out of reach of children.
Storage: Store product in ambient temperature. Avoid freezing or high heat.

SECTION 8 - EXPOSURE CONTROLS/PERSONAL PROTECTION

Personal Protective Equipment:
Eye and Face: Not normally needed. Wash immediately if in contact with waste liquid.
Skin Protection: Not normally needed. For long or repeated skin contact use suitable protective gloves.
Respiratory Protection: Not normally needed.
Other Protective Clothing or Equipment: None.
Ventilation: Normal room air circulation.
For exposure control levels such as Threshold Limit Values (TLVs) or Permissible Exposure Limits (PELs) please refer to Section 2.

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SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Thin liquid with granules
Odor: Detergent
Vapor Pressure: Not Determined
Vapor Density: Not Determined
Evaporation Rate (Buñac=1): 0.33
Boiling Point: > 212 deg F
Solubility in Water: Complete
Specific Gravity: 1.004
Melting Point: <32 deg F
pH: 6.5

SECTION 10 - STABILITY AND REACTIVITY

Chemical Stability: Stable.
Conditions to Avoid: Avoid extremes in temperature.
Incompatibility: None known.
Hazardous Decomposition or Byproducts: None.
Hazardous Polymerization: Will not occur.

SECTION 11 - TOXICOLOGY INFORMATION

No toxicity studies have been conducted on this product.

SECTION 12 - ECOLOGICAL INFORMATION

RxDestroyer™ is fully biodegradable. No toxicity studies have been conducted on this product.

SECTION 13 - DISPOSAL CONSIDERATIONS

Disposal Method: Dispose of in accordance with all applicable local, state, county and federal laws.

SECTION 14 - TRANSPORT INFORMATION

Shipping Name: Compound, Cleaning,N.O.I., Liquid
Hazard Class: None
ID No.: None
Packing Group: None

SECTION 15 - REGULATORY INFORMATION

All ingredients in RxDestroyer™ are listed on the TSCA inventory.

SECTION 16 - OTHER INFORMATION

CHEMSTATION HAZARD IDENTIFICATION:

Health: 1
Flammability: 0
Reactivity: 0

0= no appreciable health hazard
0= flash point >200
1= skin irritant
1= 200 >= flash point >140
2= hazardous ingredients <70%
2= 140 >= flash point >100
3= hazardous ingredients >= 70%
3= flash point <= 100

The data in this material safety data sheet relates only to the specific material designated herein and does not relate to use in combination with any other material or in any process. This information is based upon technical data we believe is reliable. Because actual conditions of use are outside our control, no warranties, expressed or implied, are made and we assume no liability in connection with any use of this information.

Every effort has been made to accurately assess the possible hazards associated with this product. We believe that the actual hazards encountered using our products are less severe than those represented by the concentrated raw materials used to make them.