



Example RCRA Waste Codes for Hazardous Waste Pharmaceuticals

The following lists contain examples of some RCRA waste codes associated with pharmaceuticals including listed wastes and characteristic wastes. This is not an exhaustive list; the generator of the waste is ultimately responsible for making a proper waste determination.

Examples of Listed Hazardous Waste Pharmaceuticals		
<i>Note: must contain constituent as the sole-active ingredient and be unused or discarded</i>		
Waste Code	Constituent of Concern	Product Name Examples
P001	Warfarin and Salts (concentration > 0.3%)	Coumadin, Warfarin
P012	Arsenic trioxide	Trisenox
P042	Epinephrine	Adrenalin, EpiPen, Eppy/N, Epifrin, Anaphalaxis kit, Epinephrine, (inhalants, injectables, kits), Racepinephrine, Racord, Primatene aerosol inhaler
P046	Phentermine	Phentermine (CIV)
P075	Nicotine and salts	Does not include over-the-counter nicotine replacement therapies (gum, patches, lozenges)
P188	Physostigmine salicylate	aka Eserine salicylate
P204	Physostigmine	aka Eserine
U010	Mitomycin C	Mitomycin, Mitomycin C, Mutamycin, Mutamycin VHA Plus
U015	Azaserine	Chemotherapy for leukemia
U034	Chloral/Chloral hydrate	Chloral hydrate (CIV)
U035	Chlorambucil	Leukeran
U044	Chloroform	Chloroform
U058	Cyclophosphamide	CTX, Cytoxan injection, Lycophilized/VHA Plus, Neosar, Procytox
U059	Daunomycin	Daunorubicin, Cerubidin, DaunoXome, Rubidomycin, Liposomal, Idarubicin/Idamycin, Daunomycin
U075	Dichlorodifluoromethane	Dichlorodifluoromethane
U089	Diethylstilbesterol	Diethylstilbesterol, DES (synthetic estrogen), Stilphostrol
U121	Trichloromonofluoromethane	Trichloromonofluoromethane
U122	Formaldehyde	Formaldehyde



Examples of Listed Hazardous Waste Pharmaceuticals		
<i>Note: must contain constituent as the sole-active ingredient and be unused or discarded</i>		
Waste Code	Constituent of Concern	Product Name Examples
U129	Lindane	G-Well shampoo, Kwell shampoo
U132	Hexachlorophene	Phisohex disinfectant
U150	Melphalan	Alkeran, L-Pam, Melphalan
U151	Mercury	Mercurochrome, Mercury iodide, Mercury chloride, Mercury sulfate
U182	Paraldehyde	Paral, Paraldehyde (CIV)
U187	Phenacetin	Acetophenetidin, typically veterinary
U188	Phenol	Phenol, Liquified phenol
U200	Reserpine	Reserpine
U201	Resorcinol	Resorcinol
U205	Selenium sulfide	Exsel shampoo, selenium sulfide, Selsun
U206	Streptozotocin	Streptozotocin, Zanosar
U237	Uracil mustard	Uracil mustard, Uramustine
U248	Warfarin and salts (concentration \leq 0.3%)	Warfarin

Examples of Hazardous Waste Pharmaceuticals that meet Characteristics			
Waste Code		Characteristic Waste	Example Drug Formulations with these Characteristics
Ignitable	D001	Aqueous drug formulation containing 24% or more alcohol by volume	Erythromycin gel 2%, Texacort solution 1%, Taxol Injection
		Liquid drug formulations with a flashpoint of less than 140° F or 60° C except aqueous solutions containing less than 24% alcohol.	Flexible collodion – Flashpoint = 45° C
		Oxidizers or materials that readily supply oxygen to a	Amyl nitrite inhalers, Silver nitrate applicators

		reaction in the absence of air as defined by the United States Department of Transportation (DOT).	
		Flammable aerosol propellants meeting the DOT definition of compressed gas.	Primatene aerosol
Corrosive	D002	Corrosive ¹	Any solution with a pH ≤ 2 or ≥ 12.5
Reactive	D003	Reactive ²	Any compound that is unstable and readily undergoes violent change; reacts violently, forms potentially explosive mixtures or generates toxic fumes when mixed with water; cyanide or sulfur waste that releases toxic fumes at pH between 2 and 12.5; or is explosive or capable of detonating as standard temperature and pressure
Toxic	D004	Arsenic	Any P012 listed waste, Arsenic trioxide, Carbasone, Glycobiarsol, Thiacetarsamide
	D005	Barium	Barium sulfate (used in radiology), Barium sulfide, Barium hydroxide, Barium chloride
	D007	Chromium	Multiple mineral preparations, Chromium, Chromium trioxide, Multiple Trace Element
	D009	Mercury	Any U151 listed waste, Any drug with thimerosal or phenylmercuric acetate (vaccines, eye drops, nasal spray, etc.)
	D010	Selenium	Any U205 listed waste, Dandruff shampoo, multiple mineral preparations
	D011	Silver	Silver sulfadiazine cream, Silver nitrate (also D001), Silvadene, Argyrol S.S., Arzol silver nitrate (also D001)
	D013	Lindane	Treatment for lice, scabies
	D022	Chloroform	Chloroform
	D024	m-Cresol	Insulin with cresol
¹ Most corrosive waste will be compounding chemicals.			
² Nitroglycerin is the only pharmaceutical that we are aware of that may be considered reactive. Most medical formulations of nitroglycerin are not reactive. Medical formulations of nitroglycerin that are not reactive are not considered P081 listed waste.			