



DISPOSAL QUICK REFERENCE GUIDE


CHEMICALS THAT MAY BE DISPOSED OF IN REGULAR TRASH AND LABORATORY DRAIN


TRASH


To be safely disposed of in regular trash items must be:

 Non-radioactive

 Non-biological hazard


 Not flammable, reactive, corrosive, or listed as hazardous waste per the Environmental Protection Agency (EPA)


 Not a substance that may negatively affect human or environmental health


 Not a carcinogen

DRAIN

Which Chemicals are acceptable for drain disposal?

 Those that meet criteria for trash disposal

 Acids and bases with pH between 5.5 and 10.5

 Combinations of the following cations and anions (unless they are strong acids or bases):

CATIONS

Al ³⁺	NH ₄ ⁺	Ca ²⁺	Cs ⁺
H ⁺	Li ⁺	Mg ²⁺	K ⁺
Na ⁺	Sr ²⁺	Sn ²⁺	Zr ²⁺
Fe ²⁺ /Fe ³⁺	Ti ³⁺ /Ti ⁴⁺		

ANIONS

HCO ₃ ⁻	HSO ₃ ⁻	BrO ₃ ⁻	Br ⁻
CO ₃ ²⁻	ClO ₃ ⁻	Cl ⁻	OH ⁻
IO ₃ ⁻	I ⁻	NO ₃ ⁻	NO ₂ ⁻
O ²⁻	PO ₄ ³⁻	SO ₄ ²⁻	SO ₃ ²⁻
BO ₃ ³⁻	B ₄ O ₇ ²⁻	OCN ⁻	SCN ⁻

REMEMBER: Use laboratory sinks only, and never a storm drain that goes directly to a water source without treatment

