



ECKERD COLLEGE

Safe Operating Procedure

(12/01)

SEWER DISPOSAL LIST

This document specifies certain conditions where dilute chemicals may be disposed to the sanitary sewer. This is only applicable to Eckerd College. Disposal may only be made to a sanitary sewer, and **not to a septic system or storm sewer.**

- Only aqueous solutions containing only the chemicals listed here may be disposed to a sanitary sewer. Solutions containing chemicals not included on this list, regardless of concentration, may not be disposed to the sanitary sewer.
- A maximum of 1 liter (before dilution or neutralization) of any specific chemical may be placed down an individual drain each day.
- Further instructions regarding dilution and/or neutralization that must be followed prior to disposal are described below for some chemicals.
 - For neutralization, follow any acceptable lab procedures regarding neutralizing the chemical.
 - Dilution is based on volume and must be made with water.
 - The entire amount of the solution following treatment may be disposed at one time, even if the resulting total volume is greater than 1 liter.
- The pH of all chemicals must be in the range of 5.5 to 9.5 before disposal.
- Water must be run down the drain for a minimum of 5 minutes after each disposal incident.

For technical assistance, please call Fawn Crotty X 8447 prior to disposal.

Further Instructions	Chemical – Liquids Only
None	Acetylglucosamine
Must be neutralized	Acetylsalicylic acid
Dilute 10:1	Adenosine
None	Agar
None	Agarose
None	Albumen
Must be neutralized, Dilute 10:1	Alconox alginic acid
Dilute 10:1	Alumina
Dilute 10:1	Aluminum oxides
Dilute 10:1	Aluminum silicate

Dilute 10:1	Aluminum sodium sulfate
Must be neutralized, Dilute 10:1	Aluminum sulfate (if acidic)
None	Amino acid
Must be neutralized, Dilute 10:1	Aminoacetic acid
None	Ammonium bicarbonate
None	Ammonium carbonate
Dilute 10:1	Ammonium chloride
Dilute 10:1	Ammonium citrate
Dilute 10:1	Ammonium lactate
Dilute 10:1	Ammonium phosphate
None	Ammonium stearate
Dilute 10:1	Ammonium sulfate
None	Amylopectin
None	Amylose
Dilute 20:1	Apyrase
Dilute 10:1	Arabinose
Must be neutralized, Dilute 10:1	Ascorbic acid
Dilute 20:1	Azocoll
None	Becto Agar
None	Beef extract
None	Bees wax (if solubilized)
Dilute 10:1	Bentonite
Dilute 20:1	Biotin
Dilute 20:1	Bis-Tris-Propane
Dilute 20:1	B-Nicotinamide adenine dinucleotide phosphate B-NADP
None	Brilliant BlueR
None	Bromocresol Green
None	Brpmpphenol Blue
None	Calcium acetate
Dilute 10:1	Calcium borate
Must be neutralized	Calcium carbonate
Dilute 10:1	Calcium chloride
None	Calcium citrate
Dilute 10:1	Calcium fluoride
None	Calcium gluconate
None	Calcium glycerophosphate
None	Calcium lactate
None	Calcium pantothenate
None	Calcium phosphate
None	Calcium sulfate

None	Carotene
None	Casein
None	Celite
Dilute 20:1	Cellobiose CP
Dilute 20:1	Cellulase
Dilute 20:1	Cellulase Azure
None	Cellulose
None	Cellulose phosphate
Dilute 10:1	Cellulose acetate
None	Cesium Chloride
None	Chlorophyll
None	Cholesterol
None	Choline
None	Choline chloride
Must be neutralized, Dilute 10:1	Citric acid
None	Corn oil
None	Creatinine
None	Cysteine
None	Cytosine
None	Deoxyribonuclease
None	Dextran
None	Dextrin
None	Dextrose
None	D(+) Galactose
None	D(+) Lactose Lactate Standard
Dilute 20:1	D(+) Raffinose
Dilute 20:1	D(+) Trehalose
Dilute 10:1	Diaminobenzidine
Dilute 20:1	D-Gluconic acid
None	D-Glycogen (Beef liver)
Dilute 20:1	DL-Ethionine
Dilute 20:1	DL-Isocitric acid, trisodium salt L-Isoleucine
Dilute 20:1	DL-Lactic acid (liquid)
None	D-Mannitol
Dilute 20:1	D-Mannoheptose
Dilute 20:1	D-Mannosamine
Dilute 20:1	Alpha D-Mannose Pentaacetate
Dilute 20:1	D-Mannose 99% Mixture of Anomers Marine Broth
Dilute 20:1	Dodecyl-agarose resin
Dilute 20:1	D-Pantothenic acid
None	D-Sorbitol

None	Endo Agar
None	Epsom salts
Dilute 10:1	Ethanol (less than 24%)
Dilute 10:1	Ethylene glycol
None	Ferric citrate
Dilute 10:1	Ferrous ammonium sulfate
None	Fibrous Cation Exchanger Ficoll Type 400DL
None	Flavin Mononucleotide
None	Folic Acid
None	Fructose
Dilute 20:1	Freund's adjuvant
Dilute 20:1	Fumaric acid
Dilute 10:1	Fullers earth
None	Galactose
None	Gelatin
None	Globulin
Must be neutralized, Dilute 10:1	Gluconic acid
None	Glucose-6-phosphate
Dilute 20:1	Glucose standard solution
Must be neutralized, Dilute 10:1	Glutamic acid
None	Glutamine
Must be neutralized, Dilute 10:1	Glutamic acid
None	Glutathione
Dilute 20:1	Glycerol
None	Glycerophosphate
None	Glycine
None	Glycogen Type II from Oyster
None	Glycylglycine
Must be neutralized, Dilute 10:1	Guaiacol
Dilute 20:1	GN Broth, Hajna
Dilute 20:1	Guanosine
Dilute 10:1	Gypsum
Dilute 10:1	Hemoglobin
Dilute 20:1	Heptahydrate Iron (11,111)Oxide
Must be neutralized, Dilute 20:1	Hydrochloric acid
Dilute 20:1	Hydroxy-proline
Must be neutralized, Dilute	Hydroxide

20:1	
Dilute 20:1	Hypoxanthine
Dilute 10:1	Insulin
Must be neutralized, Dilute 10:1	Isoleucine
Dilute 20:1	Isomaltose
Dilute 10:1	Kaolin
Dilute 10:1	Keratin
Dilute 20:1	L(-) Malic acid
Must be neutralized, Dilute 10:1	Lactic acid
None	Lactose
Dilute 20:1	Lactulose
None	Lanolin
None	Lecithin
Dilute 10:1	Leucine
Must be neutralized, Dilute 10:1	Lithium carbonate
Dilute 10:1	Lithium chloride
Dilute 10:1	Litmus
Dilute 20:1	L-Methionine
Dilute 20:1	L-Threonine
Dilute 10:1	Magnesium borate
Must be neutralized, Dilute 10:1	Magnesium carbonate
None	Magnesium citrate
None	Magnesium lactate
None	Magnesium phosphate
None	Magnesium sulfate
None	Malt extract
None	Maltose
Dilute 20:1	MacConkey Agar Base (Dehydrated)
Dilute 20:1	MacConkey Broth
Dilute 20:1	Magnesium Chloride, Hexahydrate
Dilute 20:1	Magnesium Sulfate, (Anhydrous)
Dilute 20:1	Magnesium sulfate Heptahydrate
Dilute 20:1	Mannitol
Dilute 20:1	MES
None	Methionine
Dilute 10:1	Methyl lactate
Dilute if Nonfat Dry Milk	Milk, Nonfat Dry
None	Niacinamide

Dilute 20:1	Beta-Nicotinamide adenine dinucleotide beta-NAD
Dilute 10:1	Nicotinamide
Must be neutralized, Dilute 10:1	Nicotinic acid
Dilute 20:1	Nitro blue tetrazolium (~steck solution)
Dilute 20:1	Nitroblue tetrazolium
Dilute 10:1	Nitroglycerine/dextrose solutions (partially administered)
Dilute 20:1	Palmitate
None	Pancreatin
None	Papain
None	Pepsin
Dilute 20:1	pH Buffer Solution pH10.0
Dilute 20:1	PH Buffer Solution pH7.0
Dilute 20:1	Phenyl beta D-galactoside
Dilute 20:1	Phosphate Monobasic
Must be neutralized, Dilute 20:1	Phosphoric acid
Dilute 20:1	Polyethylene glycol PEG
Dilute 20:1	Polyethylene glycol (MW 4000)
None	Potassium acetate
Must be neutralized, Dilute 10:1	Potassium acid phosphate
None	Potassium bicarbonate
Dilute 10:1	Potassium bisulfate
None	Potassium bitartrate
Dilute 10:1	Potassium borate
Dilute 10:1	Potassium bromide
Must be neutralized, Dilute 10:1	Potassium carbonate
None	Potassium chloride
None	Potassium citrate
Dilute 10:1	Potassium hydrogen phthalate
Dilute 20;1	Potassium hydroxide
Dilute 10:1	Potassium iodide
None	Potassium lactate
None	Potassium phosphate
Dilute 20:1	Potassium phosphate dibasic
Dilute 20:1	Potassium phosphate monobasic
Dilute 20:1	Potassium Phthalate pH Buffer 4.0
None	Potassium pyrophosphate
None	Potassium sodium tartrate
None	Potassium sulfate
Must be neutralized, Dilute 10:1	Potassium sulfite
Dilute 20:1	Potassium tetraborate

Dilute 20:1	Potassium tetrathionate
Dilute 20:1	Pyridoxine
Dilute 20:1	Pyruvic acid methyl ester
Dilute 20:1	Rhamnose
Dilute 20:1	Riboflavin
None	Riboflavin-5-phosphate
Dilute 10:1	Ribonucleic acid
Dilute 10:1	Rose bengal dye
Dilute 20:1	Salicin
Dilute 20;1	Salicin 99%
Must be neutralized, Dilute 10:1	Salicylic acid
Dilute 10:1	Saponin
None	Sodium acetate
None	Sodium ammonium phosphate
Dilute 10:1	Sodium benzoate
None	Sodium bicarbonate
Must be neutralized, Dilute 10:1	Sodium bisulfite
None	Sodium borate
None	Sodium bromide
Must be neutralized, Dilute 10:1	Sodium carbonate
None	Sodium chloride
None	Sodium citrate
Dilute 10:1	Sodium dodecyl sulfate
Must be neutralized, Dilute 10:1	Sodium formate
Must be neutralized, Dilute 20:1	Sodium Hydroxide
Dilute 10:1	Sodium iodide
None	Sodium lactate
Dilute 20:1	Sodium lauryl sulfate
Dilute 20:1	Sodium molybdate
Dilute 10:1	Sodium phosphate
Dilute 20:1	Sodium phosphate dibasic anhydrous
Dilute 20:1	Sodium phosphate monobasic monohydrate
Dilute 20:1	Sodium phosphate tribasic
Dilute 20;1	Sodium potassium tartrate
None	Sodium salicylate
Dilute 10:1	Sodium sulfate (anhydrous)
Dilute 20:1	Sodium tartrate
Dilute 10:1	Sodium thiosulfate

Dilute 10:1	Sodium trimetaphosphate
Must be neutralized, Dilute 10:1	Sodium tungstate
Dilute 10:1	Sorbitol
Dilute 10:1	Sorbose
None	Starch
Dilute 20:1	Starch agar
Dilute 20:1	Stearate
Must be neutralized, Dilute 10:1	Stearic acid
Must be neutralized, Dilute 10:1	Strontium carbonate
Dilute 20:1	Strontium chloride hexahydrate
Must be neutralized, Dilute 10:1	Succinic acid
None	Sucrose
Dilute 20:1	Sulfate
Must be neutralized, Dilute 20:1	Sulfuric acid
Must be neutralized, Dilute 10:1	Tartaric acid
Dilute 20:1	Thiamine
None	Thiamine hydrochloride
Dilute 20:1	Thymidine (crystalline)
Dilute 10:1	Tin oxide
Dilute 20:1	Trehalose
Dilute 20:1	Tricine
None	Tricalcium phosphate
Dilute 20:1	Triethanolamine hydrochloride
Dilute 20:1	Triethylene hydrochloride
None	Trisodium phosphate
Dilute 10:1	Triton X
Dilute 20:1	Trypsin (from Bovine pancreas)
Dilute 20:1	Tryptone-bacto
Dilute 20:1	Uracil
Dilute 20:1	Urea
Dilute 20:1	Uridine
None	Valine
Dilute 20:1	Vanadyl sulfate (hydrate)
Must be neutralized, Dilute 10:1	Vanillic acid
Dilute 10:1	Vanillin
Dilute 20:1	Violet red-blue agar
Dilute 20:1	Xylan (from birchwood)

None	Yeast extract
Dilute 20:1	Zinc chloride
Dilute 10:1	Zinc phosphate
Dilute 10:1	Zinc sulfate