

Possible Hazards for CHEM 106 General Chemistry 2

This **list** of substances represents the possible hazards currently identified for this course; however, substitutions or additions are possible. Do not assume a substance is safe if it is not listed. You will be notified of changes as soon as they are available. If you are aware of any known allergies or sensitivities to chemicals, please let your professor know prior to the first lab class.

Calcium nitrate

Aqueous ammonia

Sodium phosphate

Cobalt nitrate

Cobalt chloride

Sodium hydroxide

Ammonium chloride

Acetic acid

Ferric nitrate

Nitric acid

Lead chloride

Copper sulfate

Zinc metal

Phenolphthalein

Sodium sulfate

Potassium hydrogen phthalate

Potassium citrate

Potassium iodide

Ammonium nitrate

Ammonium acetate

Ascorbic acid

Sodium chloride

Boric acid

Hexane

Methanol

Acetone

Toluene

Ethanol

Sodium thiosulfate

Calcium acetate

Hydrochloric acid

Vegetable oil

Dioctyl sodium sulfosuccinate

Sodium bicarbonate

Magnesium sulfate

Starch dispersion

Barium chloride

Potassium permanganate

Iodine

Rock salt

Para dichlorobenzene

Naphthalene

Fluorine

Benzyl

Camphor

Benzoic acid

Potassium iodide

Potassium nitrate

EDTA

Ammonium persulfate

Stannous chloride

Sulfuric acid

Potassium chromate

Complete List of Chemicals

These chemicals are stored in an adjacent area. Any of these chemicals could be used for another course in the same lab room but at a different time. Exposure is possible but not probable.

Acetanilide	Benzoic Acid
Acetic Acid, Glacial	Benzophenone
Acetic Acid, 0.01M, 0.1M, 1M	Bleach
Acetic Anhydride	Bogen Universal Indicator
Acetone	Boiling Chips, pumice
Acrylic Acid	Boric Acid
Adhesive Side Powder, Dark	Boric Acid, 0.1M
Albumin, Egg	Brass
Alka-Seltzer	Bromocresol Green Indicator
All-Purpose Cleaner	Bromoethane (Ethyl Bromide)
Aluminum (Foil)	Bromothymol Blue
Aluminum (Wire)	Buffer solutions, pH4,pH7,pH10
Aluminum Nitrate – 9-hydrate	Butyl Alcohol-n
Aminobenzoic Acid, 3-	Butyl Alcohol-tert
Ammonia (household)	Caffeine
Ammonia Tablets #1, #2	Caffeine
Ammonium Acetate	Calcium Granules
Ammonium Acetate, 0.1M	Calcium Turnings
Ammonium Bicarbonate	Calcium Acetate
Ammonium Chloride	Calcium Carbonate
Ammonium Dichromate	Calcium Chloride – Anhydrous
Ammonium Hydroxide	Calcium Chloride – 2-hydrate
Ammonium Nitrate	Calcium Hydroxide (Lime)
Ammonium Nitrate, 0.1M	Calcium Nitrate – 4-hydrate
Ammonium Oxalate Monohydrate	Calcium Oxide
Ammonium Persulfate	Calcium Sulfate – 2-hydrate
Amyl Alcohol	Camphor-dl
Argon Spectrum Tubes	Carbon (Charcoal)
Arsenic Trioxide	Casein
Ascorbic Acid (Vitamin C)	Catechol (Pyrocatechol)
Aspirin (Acetylsalicylic Acid)	Chlorobenzene
Barium Chloride-anhydrous	Chlorobenzoic Acid-p
Barium Chloride-2-hydrate	Chloroform
Barium Hydroxide – Anhydrous	Chromium Test Tablet
Barium Hydroxide – 8-hydrate	Citric Acid – Anhydrous
Barium Nitrate	Club Soda (Carbonic Acid)
Basic Yellow	Cobalt Chloride – 6-hydrate
Benzil	Cobalt Nitrate – 6-hydrate

Congo Red
Copper solid
Copper(II) Chloride-2-hydrate
Copper(II) Nitrate-2½-hydrate
Copper(II) Sulfate-Anhydrous
Copper(II) Sulfate-5-hydrate
Cyanoacrylate
Cyclohexane
Cyclohexanol
Cyclohexanone
Cyclohexene
Deet (N,N-diethyl-m-toluamide)
Dessicant
Dichlorobenzene-p (PDB)
Diethyl Ether, anhydrous (Ether)
Diethylamine
Dimethoxybenzaldehyde, 3,4-
Dimethylformamide, N,N-
Dimethylglyoxime
Dinitrobenzoic Acid-3,5
Diphenylaminesulfonic Acid
Dodecyl Alcohol
EDTA
Ethyl Acetate
Ethyl Alcohol
Ethyl Alcohol, 95%
Ethyl Bromide (Bromoethane)
Ethylenediamine
Ferric Tartrate
Fluorene
Formaldehyde
Formic Acid
Fructose
Furfural
Glass Beads
Glycerin
Gold
Helium Spectrum Tubes
Hexamethylenediamine
Hexanes
Hydrochloric Acid
Hydrogen Spectrum Tubes
Hydrogen Peroxide, 3%

Hydrogen Peroxide, 30%
Indanone, 1-
Iodine solid
Iodine Solution
Iodine Spectrum Tubes
Iodoacetophenone, 4'
Iodophenol, 4
Iron (Filings)
Iron (III) Chloride - 6-hydrate
Iron (III) Nitrate - 9-hydrate
Iron (II) Sulfate - 7-hydrate
Iron (II) Sulfide - Anhydrous
Isoamyl Alcohol
Iso-butanol
Isopropyl Alcohol
Krypton Spectrum Tubes
Latent Print Powder, Magnetic
Latent Print Powder, Silk Black
Latex liquid
Lead
Lead Chloride
Lead Nitrate
Lithium Chloride
Lycopodium
Lye (Sodium Hydroxide)
Magnesium Metal Ribbon
Magnesium Chloride - 6-hydrate
Manganese Sulfate monohydrate
Magnesium Sulfate - anhydrous
Malonic Acid
Manganese Chloride-4-hydrate
Manganese Dioxide
Manganese Sulfate monohydrate
Mercury Spectrum Tubes
Methyl Alcohol (Methanol)
Methyl Ethyl Ketone
Methyl Formate
Methyl Orange Sodium Salt
Methyl Orange Indicator
Methylene Chloride
Molybdic Acid
Naphthalene
Neon Spectrum Tubes

Nickel (II) Chloride – 6-hydrate
Nickel Nitrate – 6-hydrate
Ninhydrin – monohydrate
Ninhydrin Spray
Nitric Acid
Nitrogen Spectrum Tubes
Oleic Acid
Oxalic Acid
Oxygen Spectrum Tubes
Palladium (II) Chloride
Phenol
Phenolphthalein
Phenylboronic Acid
Phosphoric Acid
Phthalic Acid
Phthalic anhydride
Polyvinyl Alcohol
Potassium Acid Phthalate
Potassium Bromide
Potassium Carbonate – anhydrous
Potassium Chlorate
Potassium Chloride
Potassium Chromate
Potassium Citrate – Monohydrate
Potassium Dichromate
Potassium Ferrocyanide–3hydrate
Potassium Hydroxide
Potassium Iodate
Potassium Iodide
Potassium Nitrate
Potassium Oxalate–Monohydrate
Potassium Permanganate
Potassium Phosphate–Monobasic
Potassium Thiocyanate
Propyl Alcohol-n
Pyrocatechol (Catechol)
Salicylamide
Salicylic Acid
Sebacoyl Chloride
Silver
Silver Nitrate
Small Particle Reagent, Dark
Sodium Acetate – Anhydrous

Sodium Acetate – 3-hydrate
Sodium Bicarbonate
Sodium Bisulfate
Sodium Bisulfite
Sodium Borohydride
Sodium Bromide
Sodium Carbonate–Anhydrous
Octyl Alcohol
Sodium Carbonate–Monohydrate
Sodium Chloride
Sodium Dichromate – Dihydrate
Sodium Hydroxide
Sodium Iodide
Sodium Nitrate
Sodium Nitrite
Sodium Phosphate Monohydrate
Sodium Phosphate 7-hydrate
Sodium Phosphate 12-hydrate
Sodium Sulfate Anhydrous
Sodium Sulfate 10-hydrate
Sodium Sulfide 9-hydrate
Sodium Sulfite Anhydrous
Sodium Tetraborate (Borax)
Sodium Thiosulfate Anhydrous
Starch, Potato
Steel Shots
Strontium Chloride – 6-hydrate
Strontium Nitrate
Sucrose
Sulfur, Flowers of (sublimed)
Sulfuric Acid
Tannic Acid
Thiamine Hydrochloride
Thioacetamide
Thyionyl Chloride
Tin solid
Tin (II) Chloride – 2-hydrate
Toluene
Toluic Acid-m
Toluic Acid-p
Trichloroethylene
Urea
Vanillin

Vegetable Oil

Xenon Spectrum Tubes

Xylene

Zinc solid

Zinc Chloride

Zinc Nitrate – 6-hydrate