

Possible Hazards for CHEM 105 General Chemistry 1

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.

Marble chips	Sulfuric acid
6M Hydrochloric acid	Methanol
1M Hydrochloric acid	Sodium chloride
Magnesium metal	Calcium chloride
Manganese dioxide	Barium chloride
Hydrogen peroxide solution 6%	Sodium carbonate
Zinc metal	Copper nitrate
Silver metal	Copper chloride
Copper metal	Calcium sulfate
Steel wool	Nitric acid
Magnesium nitrate	Acetic acid
Zinc nitrate	Sucrose
Iron sulfate	Urea
Copper sulfate	Citric acid
Silver nitrate	Phosphoric acid
Ammonium chloride	Sodium acetate
Barium chloride	Ammonium hydroxide
Sodium nitrate	Phenolphthalein
Sodium sulfate	Acetone

Sodium bicarbonate

Cobalt Nitrate

Lithium Chloride

Potassium Iodide

Strontium chloride

Potassium Nitrate

4% Polyvinyl Alcohol

5% Borax

Hexamethylenedamine
Liquid latex

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

Acetic Acid, Glacial

Acetic Acid, 0.01M, 0.1M, 1M

Acetic Anhydride

Acetone

Acrylic Acid

Adhesive Side Powder, Dark

Albumin, Egg

Alka-Seltzer

All-Purpose Cleaner

Aluminum (Foil)

Aluminum (Wire)

Aluminum Nitrate – 9-hydrate

Aminobenzoic Acid, 3-

Ammonia (household)

Ammonia Tablets #1, #2

Ammonium Acetate

Ammonium Acetate, 0.1M

Ammonium Bicarbonate

Ammonium Chloride

Ammonium Dichromate

Ammonium Hydroxide

Ammonium Nitrate

Ammonium Nitrate, 0.1M

Ammonium Oxalate

Monohydrate

Ammonium Persulfate

Amyl Alcohol

Argon Spectrum Tubes

Arsenic Trioxide

Ascorbic Acid (Vitamin C)

Aspirin (Acetylsalicylic Acid)

Barium Chloride-anhydrous

Barium Chloride-2-hydrate

Barium Hydroxide – Anhydrous

Barium Hydroxide – 8-hydrate

Barium Nitrate

Basic Yellow
Benzil
Benzoic Acid
Benzophenone
Bleach
Bogen Universal Indicator
Boiling Chips, pumice

Boric Acid
Boric Acid, 0.1M
Brass
Bromcresol Green Indicator
Bromoethane (Ethyl Bromide)
Bromothymol Blue
Buffer solutions, pH4,pH7,pH10
Butyl Alcohol-n
Butyl Alcohol-tert
Caffeine
Caffeine
Calcium Granules
Calcium Turnings
Calcium Acetate
Calcium Carbonate
Calcium Chloride – Anhydrous
Calcium Chloride – 2-hydrate
Calcium Hydroxide (Lime)
Calcium Nitrate – 4-hydrate
Calcium Oxide
Calcium Sulfate – 2-hydrate
Camphor-dl
Carbon (Charcoal)
Casein
Casting Plaster– Footprint
Catechol (Pyrocatechol)
Celite (Diatomaceous Earth)
Chlorobeneze
Chlorobenzoic Acid-p
Chloroform
Chromium Tablet
Citric Acid – Anhydrous
Club Soda (Carbonic Acid)
Cobalt Chloride – 6-hydrate
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
Gallium
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
MIKROSIL Casting Compound
MIKROSIL Catalyst
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

Updated: August 23, 2019 ss
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

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