

## Possible Hazards for CHEM-101 Introduction to Chemistry

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.

6M Sodium Hydroxide	Gold Metal
0.1 M Barium Chloride	Granular Zinc
0.1 M Barium Nitrate	Hardness Test Tablets
0.1 M Calcium Chloride	Hexamethylenedamine
0.1 M Calcium Nitrate	hexane
0.1 M Cobalt Chloride	Household Ammonia
0.1 M Cobalt Nitrate	household vinegar
0.1 M Lithium Chloride	Hydrogen Peroxide 3%
0.1 M Magnesium Chloride	Iodine powder
0.1 M Magnesium Sulfate	Iron Sulfate
0.1 M Potassium Iodide	Iron Tablets
0.1 M Potassium Nitrate	latex, red, blue, white
0.1 M Strontium Chloride	lemon juice
0.1M Ammonium Hydroxide	Lithium Chloride
0.1M and 2M Sodium Hydroxide	Magnesium Chloride
0.1M Copper Chloride	Magnesium Metal
Chloride Test tablets	Magnesium metal strips
Citric Acid	Manganese Dioxide
Cobalt Chloride	milk of magnesia
Concentrated Nitric Acid	Mossy Zinc Metal
Copper Sulfate	Mr. Clean
Copper Test Tablets	Muriatic Acid (HCl)
Copper Wire	Nickel Chloride
Cupric Nitrate	Nitrate tablets
food coloring	Oxalic Acid
Fructose	pH buffer 10
	pH buffer 4
	pH buffer 7

pH Tablets  
polyvinyl alcohol  
Potassium Iodide  
Salt  
0.1M Copper Sulfate  
0.1M Hydrochloric Acid  
0.1M Hydrochloric Acid  
0.1M Magnesium Chloride  
0.1M Phosphoric Acid  
0.1M Sodium Hydroxide  
0.2M Sodium Hydroxide  
1% alcoholic phenolphthalein  
10% Hydrochloric Acid  
3.5% Sea water  
5% borax  
5% Sodium Hydroxide  
6M Sulfuric Acid  
Acetone  
Albumin  
Alka-Seltzer tablets  
Aluminum metal  
Ascorbic Acid  
aspirin tablets  
Caffeine  
Calcium Chloride  
Calcium Hydroxide  
Calcium Oxide  
Calcium w/Vit D  
Carbon  
100% Alcohol  
1M Sulfuric Acid

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## 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  
Magnesium 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

