

CLASS I CHEMICAL LIST

Prohibited Hazardous Substances

Partial List

Generally, chemicals listed below **SHOULD NOT BE ORDERED UNDER ANY CIRCUMSTANCES**; however, they may be approved on a "per case basis," by contacting the Environmental Health & Safety (EHS) Office. They are prohibited from use in the school district. This list is maintained by the EHS Office and is amended frequently. Items not specifically listed in Class II or Class III may be prohibited so contact the EHS Office for confirmation at (858) 627-7174.

Acetic Anhydride Acrylonitrile

2-Acetylaminofluorine Acrylamide (neuro toxin)

4-Aminodiphenyl Ammonium Sulfide

Amyl Aletate (isoamyl) Aniline

Aniline, Hydrochloride

Anthracene

Antimony Pentachloride Antimony Trichloride Antimony Trioxide

Antimony Trisulfide (Antimony sulfide)

Arsenic, and compounds

Arsenic Pentoxide Arsenic Trichloride Arsenic Trioxide

Asbestos Benzaldehyde Benzene

Benzidine (and its salts) Benzoyl Chloride

Benzoyl Perioxide

Beryllium and its compounds

Beryllium Carbonate
Bis (chloromethyl) Ether
Cadmium and its compounds

Cadmium Acetate
Cadmium Chloride
Cadmium Sulfate
Carbon Disulfide
Carbon Tetrachloride

Catechol (1,2-Dihydroxy-benzene)

Chloroform

Chromium II, IV and all compounds

Chromic Nitrate, in solution

Cobalt

Cobalt II oxide Colchicine

p-Dichlorobenzene

3-3. Dichlorobenzidine and salts

Diisopropyl Ether

4-Dimethylaminoazobenzene

N, N, Dimethylaniline

Ethylene Dichloride (1,2 Dichloroethane)

Ethyleneimine Ethylene Oxide Formaldehyde Hydrazine Hydrofluoric acid

Hydrogen Peroxide (7 -32 percent)

Lead acetate
Lead arsenate
Mercuric Chloride
Mercury, Metal
Mercuric Nitrate
Mercurous Nitrate

Methylchloromethyl ether

Methyl lodide

4,4-Methylenebis (2-Chloroaniline)

2-Methylaniline
Methylene Chloride
a-Napthylamine
b-Napthylamine

Nickel powder and compounds

Nicotine Sulfate
Nitrobenzene
4- Nitrobiphenyl
Osmium Tetroxide
b-Propiolactone
Perchloric Acid

Phosphorus (white and yellow)

Picric Acid

Potassium Cyanide Powdered metals

Pyridine

Radioactive compounds

Silver Cyanide
Sodium Arsenate
Sodium Arsenite
Sodium Azide
Sodium Cyanide
Tetrahydrofuran
Thioacetimide
Thiourea
o-Toluidine

Trichloroethylene

Uranium and its compounds

Vinyl Chloride Zinc, metal, dust

CLASS II CHEMICAL LIST

Restricted Hazardous Substances

Restricted Chemicals - Special Conditions Apply: Some chemicals listed may be linked to health hazards such as cancer or reproductive toxicity. Contact the Environmental Health & Safety (EHS) Office for further information regarding safe usage of these substances. Any chemical not specifically listed may be approved on a per case basis by contacting the EHS Office at (858) 627-7174.

CLASS II CHEMICALS ARE TO BE USED ONLY FOR DEMONSTRATION PURPOSES, PREPARED AND PRESENTED ONLY BY INSTRUCTORS WHO ARE FAMILIAR WITH THEIR HAZARDOUS PROPERTIES. THESE CHEMICALS ARE TO BE SECURED WHEN NOT IN USE AND ARE NOT TO BE RETAINED LONGER THAN ONE (1) YEAR FROM THE DATE OF PURCHASE. QUANTITIES SHOULD BE KEPT AT A MINIMUM.

Acetic Anhydride Aluminum Nitrate

Ammonium Dichromate

Ammonium Nitrate

Antimony, metal Barfoed Reagent

Barium Chlorate

Barium Nitrate
Barium Peroxide

Barium Sulfide

Bismuth Nitrate Bouin's Fluid

Bromine Water

Calcium, metal, flakes Calcium Carbide

Calcium Nitrate

Carbolic Acid (Phenol)

Chromium Chloride, in solution

Cobalt Nitrate
Cobaltous nitrate
Cupric (Copper) Nitrate

Ethyl Acetate
Ferric Nitrate
Ferrous Sulfide
Formalin (limit 1 gal)

Formic Acid Hayem's Solution Hydrogen (gas)

Hydrogen Peroxide 4%-20%

Hydrogen Sulfide Hydroquinone Iron Filings Lead Dioxide Lead Nitrate Lead Sulfide

Lithium, metal, lumps, (limit 4 oz. or 113 gm)

Lithium Nitrate

Manganese Nitrate (Manganous)

Magnesium Dioxide (Magnesium peroxide)

Magnesium Hydroxide Magnesium, Metal Magnesium Nitrate Methylene Iodide Nickel Nitrate

Nickel Sulfate, crystals Phthalic anhydride

Phenol

Phosphorus Pentoxide Potassium Chlorate Potassium Dichromate

Potassium, Metal, lumps (limit 4 oz. or 113

gm)

Potassium Nitrate

Potassium Permanganate

Potassium Sulfide Pyrogallic Acid Resorcinol Silver Acetate Schiff Reagent Sodium Chlorate

Sodium Dithionate (Sodium hydrosulfite)

Sodium Metabisulfite

Sodium, metal, lumps, (limit 4 oz. or 113gm)

Sodium Nitrate Sodium Nitrite

Sodium Permanganate Sodium Peroxide Sodium Sulfide

Sodium Sulfide (anhydrous)

Strontium Nitrate Titanium, metal Tungsten, metal Zinc Nitrate Zirconium Nitrate

CLASS III CHEMICAL LIST

Approved Hazardous Substances

The following chemicals are approved for student usage.

WARNING: Some chemicals listed may be linked to health hazards such as cancer or reproductive toxicity. Contact the Environmental Health & Safety (EHS) Office for further information regarding safe usage of these compounds. Any chemical not specifically listed may be approved on a per case basis by contacting the EHS Office at (858) 627-7174.

Acacia (gum arabic)

Acetamide

Acetanilide

Acetic acid (glacial, limit 2 gals)

Aceto Carmine

Acetone

Aceto Orcein (Orcinol)

Adenine Agar

Albumin

Alizarin Yellow

Alizarin Red (Red #1) Alkaline-Iodide Sol'n #1 Alkaline-Iodide Sol'n #2

Alum

Aluminum Ammonium Sulfate Aluminum Chloride, hydrated Aluminum Chloride, anhydrous

Aluminum Hydroxide Aluminum, metal Aluminum Oxide

Aluminum Potassium Sulfate Aluminum Sodium Sulfate

Aluminum Sulfate
Ammonia, liquid
Ammonium Acetate
Ammonium Bicarbonate
Ammonium Bromide
Ammonium Carbonate
Ammonium Chloride
Ammonium Citrate

Ammonium Hydroxide (limit 2 gals)

Ammonium Iodide

Ammonium Metavanadate (Ammonium

vanadate)
Ammonium Molybdate
Ammonium Oxalate
Ammonium Oxidate
Ammonium Persulfate
Ammonium Phosphate
Ammonium Sulfate
Ammonium Tartrate

Ammonium Thiocyanate

Amylase

N-amyl Alcohol Aniline Blue

Antimony Potassium Tartrate

Arabinose Ascarite II Ascorbic Acid Balsam

Barium Acetate
Barium Carbonate
Barium Chloride
Barium Hydroxide
Barium Oxalate
Barium Oxide
Barium Oxide
Barium Sulfate

Beeswax

Benedict's Solution Benzoic Acid

6- Benzylaminopurine

Solution Bial salts

Bismuth Trichloride (Bismuth III chloride)

Biuret Reagent

Borax (Sodium Borate)

Boric Acid Brilliant Green Bromocresol Green Bromocresol Purple Bromophenol Blue Bromothymol Blue Buffer Solutions

Caffeine

Calcium Acetate
Calcium Bromide
Calcium Carbonate
Calcium Chloride
Calcium Fluoride
Calcium Hydroxide
Calcium Hypochlorite

Calcium Oxide
Calcium Phosphate
Calcium Sulfate
Camphor Gum

Carbon Ferric Sulfate

Carbon Dioxide(gas) Ferrous Ammonium Sulfate

CarmineFerrous ChlorideCarrageeganFerrous OxideCaseinFerrous SulfateCatalaseFeulgen StainCharcoalFlagella StainChloretoneFlouresceinChlorionic GonadatropinFructose

Citric Acid Fuchsin

Clove Oil Gamborg's Vitamin Culture
Cobalt Chloride Gelatin

Cobalt, Metal Gentian Violet (Methyl violet)

Cobalt Sulfate Gibberellic Acid
Congo Red Giemsa Stain
Copper, metal Glucose
Copper (cupric) Oxide Glutamic Acid

Cotton Seed Oil Glycerin (Glycerol) (limit 2 pts. = 0.25 gal)

Iron Acetate

Crystal Violet Gold Foil

Cupric Acetate Gram's Iodine Stain

Cupric (Copper) Bromide Graphite
Cupric (Copper) Carbonate Guar Gum
Cupric (Copper) Chloride Gum Tragacanth

Cupric (Copper) Chloride Gum Tragacanth
Cupric (Copper) Sulfate Helium

Cyclohexane Hematoxylin
Deoxyribonucleic Acid Heptane
Dextrin Starch Hexane
Dextrose Histidine

Diastase of Malt

2,6 Dichloroindolephenol (Sodium Salt)

Hydrochloric Acid

Hydrogen Peroxide 3%

Digitonin Indigo

Dimethylglyxime Indigo Carmine

Dodecyl Sulfate, sodium salt (Sodium 3-Indoleacetic Acid Dodecyl Sulfate) lodine

Ethylenediaminetetraamine (EDTA)

Iron Pyrite

Eosin

Isobutyl Alcohol

Epsom Salt (Magnesium sulfate)

Erythorbic Acid

Isopentyl Alcohol

Erythrosine

Ethyl Alcohol

Kaolin

Ethylene Glycol Kerosene
Fast Green Lactic Acid
Fehling's Solution A Lactose
Fehling's Solution B Lanolin
Ferric Acetate Latex

(Iron acetate)

Ferric Ammonium Acetate

Ferric Ammonium Citrate

Ferric Ammonium Sulfate

Lauric Acid

Lead Carbonate

Lead Chloride

Lead Iodide

Ferric Oxide

Lead, Metal
Ferric Oxide

Ferric Phosphate

Dowex

Lead Oxide
Lead Sulfate
Lime Water
Linseed Oil
Lithium Carbonate

Neutral Red Indicator
Nickel Chloride
Nicotinic Acid
Nigrosine Black
Ninhydrin

Lithium Chloride Nitric Acid (limit 1 gal)
Lithium Hydroxide Nitrogen

Lithium Hydroxide

Lithium Sulfate

Lithius

Leaffle to Florable Stain

Claic Acid

Loeffler's Flagella Stain

Logwood Extract (Hematin)

Lucite

Orange G

Orange IV (T

LuminolOrange IV (Torpeolin OO)Lugol's IodineOrcein Staining SolutionLycopidium PowderOxalic Acid

Lye Oxygen(gas)
Magnesium Acetate Pancreatin
Magnesium Bromide Paraffin
Magnesium Carbonate Peanut Oil
Magnesium Chloride Pepsin Powder

Magnesium Chloride
Magnesium Hydroxide
Magnesium Oxide
Magnesium Sulfate
Magnesium Trisilicate
Malachite Green
Pepsin Powder
Pep

Malachite Green
Maleic Acid
Maltose
Manganese, metal

Phenolpthalein
Phenyl Salicylate
Phloroglucin(ol)
Phosphoric Acid
Phytagel Plant culture

Manganese, metal Phytagel Plant culture
Manganese Carbonate (Manganous Pituitary Extract

Carbonate)

Maganese Dioxide

Maganese Sulfate

Platinum, metal

Polyvinyl Alcohol

Potash, sulfurated

Manganous bromide (Manganese bromide)

Manganous chloride (Manganese chloride)

Manganous sulfate

Potassium acetate

Potassium Bicarbonate

Potassium Binoxalate

Manganous sulfate Methyl Cellulose Potassium Biphthalate Methylene Blue Potassium Bisulfate Potassium Bitartrate Methyl Alcohol Potassium Bromate Methyl Green Methyl Orange Potassium Bromide Methyl Red Potassium Carbonate Potassium Chloride Methly Violet Potassium Chromate Methyl Salicylate

Methyl Sulfoxide (Dimethyl Sulfoxide)

Potassium Chrome Alum

Mineral Oil Potassium Citrate
Molasses Silver Sulfate

Mono Chloroacetic Acid Soda Lime (sodasorb)
Napthalene Sodium Acetate

Napthalene Sodium Acetate
a-Napthaleneacetic acid Solution Sodium Alginate
1-Napthol Sodium Bicarbonate
2-Napthol Sodium Bismuthate

Sodium Bisulfate (Sodium Hydrogen Sulfate)

Sodium Bisulfite
Sodium Borate
Sodium Bromide
Sodium Carbonate
Sodium Chloride
Sodium Chromate
Sodium Citrate

Sodium Ferrocynanide
Sodium Fluoride
Sodium Hydroxide
Sodium Hypochlorite
Sodium Iodate
Sodium Iodide

Sodium Lauryl Sulfate
Sodium Metabisulfite
Sodium Metaphosphate
Sodium Molybdate
Sodium Oxalate
Sodium Perborate

Sodium Phosphate Sodium Salicylate Sodium Silicate

Sodium Silicofluoride (Sodium fluorosilicate)

Sodium Sulfate Sodium Sulfite Sodium Tartrate

Sodium Tetraborate (Sodium borate)

Sodium Thiocyanate
Sodium Thiosulfate
(Sodium hyposulfite)
Sodium Tungstate
Stannic Chloride
Stannic Oxide
Stannous Chloride
Starch, potato
Stearic Acid
Strontium

Strontium Bromide Strontium Chloride Succinic Acid Sucrose

Sudan Black B Sudan III Sudan IV
Sulfamic Acid
Sulfanilic Acid
Sulfur (limit 5 lbs)
Sulfur Black Dye
Sulfur Blue Dye
Sulfur Yellow Dye
Sulfuric Acid (limit 2 gals.)

Tannic Acid
Tartaric Acid
Terpineol
Thymol Blue
Thyroxine
Tin, metal

Titanium Dioxide

Toluene Toluidine Blue Triethanolamine

Tripheyl Terazolium Chloride Trisodium Phosphate (TSP) Triton X,wetting agent

Trypsin

Tumeric Powder Turpentine

Ultra Marine Blue Universal Indicator

Urea

Vegetable Oil

Winkler's solution #1 Winkler's solution #2

Wood's Metal

Wright's Stain Solution

Xanthenol Xylene Yeast Zeolite Zinc Acetate Zinc Carbonate Zinc Chloride