

Chemical Name	Risk	Storage Category	Hazards	Number and Size of Containers	Prepared /Exp Date
Acetaldehyde	3	O-3 Flam Cabinet	Suspect carcinogen. Highly flammable. Peroxide former. Severe irritant to eyes		
Acetamide	0	O-2	Non hazardous		
Acetic Acid, >6M	1	O-1 Organic Acid	Corrosive.		
Acetic Acid, Glacial	2	O-1 Flam Cabinet	Corrosive. Combustible		
Acetic Anhydride	2	O-1 Flam Cabinet	Corrosive, flammable		
Aceto Carmine	0	O-Misc	Non hazardous		
Acetone	2	O-4 Flam Cabinet	Highly flammable.		
Acetone Alcohol	1	O-4 Flam Cabinet	Flammable		
Acetonitrile	2	O-7 Flam Cabinet	Flammable. Toxic by skin absorption, inhalation & ingestion.		
Acetyl Chloride	3	O-4 Acid Cabinet	Corrosive. Reacts with water & alcohol		
Acrolein (acrylaldehyde)	3	O-3 Flam Cabinet	Flammable. Inhalation toxin. Severe irritant. Many incompatibilities. P-listed		
Acrylamide	3	O-3	Toxic by absorption, suspected carcinogen		
Acrylic Acid	3	O-8 Organic Acid	Corrosive. Poison by inhalation & skin absorption. Flammable		
Acrylonitrile	3	O-7 Flam Cabinet	Flammable. Poison by inhalation, skin absorption. Carcinogen		
Adenine	0	O-2	Non hazardous		
Adipoyl Chloride	2	O-1 Organic Acid	Corrosive; absorbs through skin, lachrymator		
Adrenaline (Epinephrine)	3	O-2	Toxic. Theft risk. Drug Precursor.		
Agar	0	O-Misc	Non hazardous		
Aluminum Ammonium Sulfate	0	I-2	Non hazardous		
Aluminum Chloride, anhydrous	2	I-2	Water reactive. Corrosive		
Aluminum Chloride, hydrate	0	I-2	Non hazardous		
Aluminum Hydroxide	1	I-4 Base Cabinet	Corrosive when wet		
Aluminum Nitrate	1	I-3	Oxidizer		
Aluminum Oxide	0	I-4	Non hazardous		

Chemical Name	Risk	Storage Category	Hazards	Number and Size of Containers	Prepared /Exp Date
Aluminum Potassium Sulfate	0	I-2	Non hazardous		
Aluminum Sulfate	0	I-2	Non hazardous		
Aluminum Sulfate	0	I-2	Non hazardous		
Aluminum, metal lump	0	I-1	Non hazardous		
Aluminum, powder	1	I-1	Highly flammable as dust.		
Ammonia, gas cylinders	3	Poison Gas	Corrosive lachrymator, intense irritant, theft risk		
Ammonia, household liquid	0	I-4 Base Cabinet	Severe eye irritant. Moderately corrosive to skin.		
Ammonium Acetate	0	I-2	Non hazardous		
Ammonium Bicarbonate	0	I-4	Non hazardous		
Ammonium Bichromate	3	I-8	Powerful oxidizer, toxic, carcinogen		
Ammonium Bifluoride	3	I-2	Caustic, poison, severe irritant. Reacts with water, forms hydrofluoric acid		
Ammonium Carbonate	0	I-4	Non hazardous		
Ammonium Chloride	0	I-2	Non hazardous		
Ammonium Chromate	3	I-8	Oxidizer, toxic, carcinogen		
Ammonium Citrate	0	I-8	Non hazardous		
Ammonium Dichromate	3	I-8	Powerful oxidizer, toxic, carcinogen		
Ammonium Fluoride	2	I-2	Caustic. Toxic.		
Ammonium Hydroxide (>3 Molar)	1	I-4 Base Cabinet	Corrosive. Lachrymator.		
Ammonium Hydroxide, concentrated	1	I-4 Base Cabinet	Corrosive. Lachrymator.		
Ammonium Iodide	0	I-2	Non hazardous		
Ammonium Metavanadate	1	I-8	Poison. Emits ammonia gas if heated.		
Ammonium Molybdate	1	I-8	Irritant. Toxic by ingestion.		
Ammonium Nitrate	2	I-8 Separate	Powerful oxidizer, reactive with organic compounds.		
Ammonium Oxalate	2	I-2	Toxic via ingestion & inhalation. Corrosive.		
Ammonium Perchlorate	3	I-6	Explosive; highly reactive		
Ammonium Persulfate	1	I-6	Oxidizer. Moderately toxic. Strong irritant.		
Ammonium Phosphate	0	I-2	Non hazardous		
Ammonium Sulfate	0	I-2	Non hazardous		
Ammonium Sulfate	0	I-2	Non hazardous		
Ammonium Sulfide	2	I-5	Poison, reacts with acids to form poisonous H ₂ S gas		
Ammonium Thiocyanate	0	I-7	Slightly toxic by ingestion.		
Amyl Acetate	1	O-3 Flam Cabinet	Flammable.		

Chemical Name	Risk	Storage Category	Hazards	Number and Size of Containers	Prepared /Exp Date
Amyl Alcohol	1	O-2 Flam Cabinet	Flammable. Severe irritant.		
Aniline	3	O-2	Carcinogen, toxic, absorbs through skin		
Aniline Hydrochloride	3	O-2	Poison		
Antimony Trichloride	3	I-2	Corrosive; emits hydrogen chloride gas if moistened		
Antimony, lump	1	I-1	Toxic		
Antimony, powder	2	I-1	Flammable solid. Toxic.		
Arsenic Oxide	3	I-4	Deadly poison & carcinogen. P-listed		
Arsenic Trioxide	3	I-7	Deadly poison & carcinogen. P-listed		
Ascarite	1	I-4	Sodium hydroxide coated silica. Corrosive		
Ascorbic Acid	0	O-1	Non hazardous		
Barium Acetate	1	I-2	Toxic by ingestion.		
Barium Carbonate	1	I-4	Toxic by ingestion.		
Barium Chloride	2	I-2	Deadly poison.		
Barium Chromate	3	I-8	Toxic, oxidizer, carcinogen		
Barium Hydroxide	1	I-4	Toxic by ingestion.		
Barium Nitrate	2	I-3	Toxic. Oxidizer		
Barium Peroxide	2	I-6	Toxic by ingestion. Oxidizer. Corrosive.		
Barium Sulfate	1	I-2	Toxic by ingestion.		
Benedict's Solution	0	I-2	Toxic.		
Benzaldehyde	2	O-3 Flam Cabinet	Combustible. Ingestion of small amount can cause convulsions		
Benzene	3	O-3 Flam Cabinet	Flammable. Carcinogen. Toxic.		
Benzidine	3	O-2	Carcinogen. Absorbs thru skin. Avoid contact! Poison. Use is banned in many countries.		
Benzoic Acid	0	O-1	Non hazardous		
Benzonitrile	3	O-7 Flam Cabinet	Toxic. Organic cyanide, reacts with acids to produce poison gas. Combustible.		
Benzoyl Chloride	3	O-3 Flam Cabinet	Corrosive. Combustible. Inhalation hazard.		
Benzoyl Peroxide	3	O-6	Organic peroxide, flammable, oxidizer		
Benzyl Alcohol	1	O-2 Flam Cabinet	Combustible. Toxic via skin absorption.		
Beryllium	3	I-1	Poison. Dust is P-listed & highly toxic. Carcinogen		
Bismuth Trichloride	1	I-2	Corrosive. Toxic.		
Bismuth, lump	0	I-1	Non hazardous		

Chemical Name	Risk	Storage Category	Hazards	Number and Size of Containers	Prepared /Exp Date
Biuret Test Solution	1	I-4 Base Cabinet	Copper sulfate + sodium hydroxide. Corrosive. Toxic.		
Boric Acid	0	I-9	Slightly toxic by ingestion.		
Bouin's Solution	3	O-8 Organic Acid	Diluted picric acid. Explosive when dry.		
Brilliant Green	0	O-Misc	Non hazardous		
Bromine Water	1	I-2 Acid Cabinet	Corrosive. Irritating fumes.		
Bromine, concentrated	3	I-2 Acid Cabinet	Corrosive, oxidizer, volatile liquid, poison fumes		
Bromobenzene	3	O-4 Flam Cabinet	Flammable. Toxic. Bioaccumulative pollutant.		
Bromobutane	2	O-4 Flam Cabinet	Persistent pollutant. Mixed with flammable alcohols.		
Bromocresol Stains	0	O-Misc	Persistent pollutant.		
Bromoform	2	O-4	Toxic. Lachrymator. Bioaccumulative pollutant.		
Bromophenol Stains	0	O-Misc	Persistent pollutant.		
Bromothymol Blue	0	O-Misc	Persistent pollutant.		
Buffers, pH 10	0	O-Misc	Non hazardous		
Buffers, pH 4	0	O-Misc	Non hazardous		
Buffers, pH 7	0	O-Misc	Non hazardous		
Butanol, 1- (n-butyl alcohol)	1	O-2 Flam Cabinet	Flammable. Moderately toxic.		
Butanol, 2- (sec-butyl alcohol)	2	O-2 Flam Cabinet	Flammable. Can form explosive peroxides on concentration.		
Butanol, 3- (tert-butyl alcohol)	1	O-2 Flam Cabinet	Flammable. Moderately toxic.		
Butoxyethanol	2	O-2 Flam Cabinet	Toxic by skin absorption. Combustible.		
Butyl Acetate	2	O-3 Flam Cabinet	Flammable		
Butyraldehyde	1	O-3 Flam Cabinet	Flammable. Toxic via skin absorption.		
Butyric Acid	2	O-1 Acid Cabinet	Corrosive; intense stench. Combustible. Theft risk.		
Cadmium Chloride	3	I-2	Toxic heavy metal, carcinogen		
Cadmium Nitrate	3	I-3	Toxic heavy metal, carcinogen. Oxidizer.		

Chemical Name	Risk	Storage Category	Hazards	Number and Size of Containers	Prepared /Exp Date
Cadmium, powder	3	I-1	Carcinogen. Poison.		
Caffeine	2	O-2	Toxic.		
Calcium Acetate	0	I-2	Non hazardous		
Calcium Bromide	0	I-2	Non hazardous		
Calcium Carbide	2	I-5	Reacts with water to produce flammable acetylene gas.		
Calcium Carbonate	0	I-4	Non hazardous		
Calcium Chloride	0	I-2	Non hazardous		
Calcium Chloride	0	I-2	Non hazardous		
Calcium Fluoride (Fluorspar)	1	I-2	Poison by ingestion. Emits toxic fumes when heated.		
Calcium Hydroxide	1	I-4	Moderately corrosive, especially to eyes		
Calcium Hypochlorite	1	I-6	Toxic. Strong oxidizer. Body tissue irritant.		
Calcium Nitrate	1	I-3	Oxidizer		
Calcium Oxide	2	I-4	Corrosive. Reacts with water.		
Calcium Phosphate	0	I-2	Non hazardous		
Calcium Phosphate, Tribasic	0	I-2	Non hazardous		
Calcium Phosphide	3	I-5	Emits poisonous, flammable phosphine gas when wet.		
Calcium Sulfate	0	I-2	Non hazardous		
Calcium Sulfide	2	I-5	Poison, reacts with acids to form poisonous H ₂ S gas		
Calcium, metal	1	I-1	Water reactive.		
Calomel (Mercurous Chloride)	3	I-2	Extreme poison.		
Camphor	1	O-4	Combustible. Toxic.		
Carbol Fuchsin Solution	2	O-8 Flam Cabinet	Phenol + Ethanol. Toxic & flammable.		
Carbon	0	I-10	Combustible solid.		
Carbon Disulfide	3	I-5 Flam Cabinet	Flammable, poison, P-Listed, reacts with acids to form poisonous H ₂ S gas		
Carbon Tetrachloride	3	O-4	Toxic, carcinogen. Bioaccumulative pollutant		
Carmine	0	O-Misc	Non hazardous		
Carnoy's Fixative Solution	3	O-4 Flam Cabinet	Chloroform + acetic acid + ethanol. Flammable. Corrosive. Carcinogen.		
Casein	0	O-Misc	Non hazardous		
Catechol	2	O-8	Poison. Powerful allergen.		
Cedarwood Oil	0	O-Misc	Non hazardous		
Celite	0	O-Misc	Non hazardous		
Cellulose	0	O-Misc	Non hazardous		
Ceric Ammonium Nitrate	1	I-3	Oxidizer.		

Chemical Name	Risk	Storage Category	Hazards	Number and Size of Containers	Prepared /Exp Date
Charcoal	0	I-10	Combustible.		
Chloral Hydrate	3	O-2	Hypnotic drug. Controlled substance		
Chloretone	3	O-4	Poison. Narcotic. Controlled substance.		
Chlorine water	1	I-2 Acid Cabinet	Corrosive. Irritating fumes.		
Chlorine, gas cylinders	3	Poison Gas	Poison gas. Corrosive.		
Chlorobenzene	3	O-4 Flam Cabinet	Flammable, toxic via inhalation & contact. Bioaccumulative pollutant		
Chloroethanol	3	O-4 Flam Cabinet	Poison by skin absorption. Can produce acid gas. Flammable. Bioaccumulative		
Chloroform	3	O-4	Carcinogen. If old forms deadly Phosgene gas. Bioaccumulative pollutant		
Chlorophenol, p-	3	O-4	Poison by ingestion. Severe irritant. Bioaccumulative pollutant.		
Chloroprene	3	O-4 Flam Cabinet	Flammable. Poison. Bioaccumulative pollutant. Affects central nervous system		
Chlorosulfonic Acid	3	O-1 Acid Cabinet	Toxic inhalation hazard. Highly corrosive. Bioaccumulative pollutant		
Cholesterol	0	O-Misc	Non hazardous		
Chromic Acid	3	I-8 Acid Cabinet	Strong oxidizer. Poison. Carcinogen. Corrosive.		
Chromium Nitrate	2	I-3	Oxidizer. Toxic.		
Chromium Potassium Sulfate	0	I-2	Non hazardous		
Chromium Sulfate	0	I-2	Non hazardous		
Chromium Trioxide	3	I-4	Oxidizer. Poison. Carcinogen.		
Chromium, lump	0	I-1	Non hazardous		
Citric Acid	0	O-1	Non hazardous		
Cobalt Chloride	1	I-2	Toxic. Possible carcinogen.		
Cobalt Nitrate	1	I-3	Oxidizer. Suspect carcinogen. Toxic.		
Cobalt Sulfate	0	I-2	Toxic by ingestion.		
Cobalt Sulfate	1	I-2	Toxic by ingestion.		
Cobalt, powder	2	I-1	Flammable solid. Toxic.		
Colchicine	3	O-2	Deadly poison. Affects cell division. Severe eye irritant.		
Collodion	3	O-4 Flam Cabinet	Flammable. Explosive when dry. Ether/Nitrocellulose compound.		
Congo Red	1	O-Misc	Toxic		

Chemical Name	Risk	Storage Category	Hazards	Number and Size of Containers	Prepared /Exp Date
Copper Acetate	1	I-2	Toxic by ingestion.		
Copper Bromide	1	I-2	Toxic by ingestion.		
Copper Carbonate	1	I-4	Toxic by ingestion.		
Copper Chloride	1	I-2	Toxic by ingestion & inhalation.		
Copper Cyanide	3	I-7	Severe poison. P-Listed. Releases poison gas when acidified even slightly.		
Copper Nitrate	2	I-3	Oxidizer. Toxic.		
Copper Oxide	1	I-4	Toxic by ingestion		
Copper Sulfate	1	I-2	Toxic by ingestion		
Copper Sulfide	2	I-5	Poison, reacts with acids to form poisonous H ₂ S gas		
Corrosive Sublimate (Mercury Bifluoride)	3	I-2	Poison by ingestion and skin absorption (when wet). Corrosive.		
Creatine	0	O-1	Non hazardous		
Creosote	3	O-8 Flam Cabinet	Carcinogen. Combustible.		
Cresol	3	O-8 Organic Acid	Corrosive to skin & eyes. Toxic via ingestion, skin absorption.		
Cresol Purple Dye	0	O-Misc	Non hazardous		
Crystal Violet	1	O-Misc	Severe eye irritant. Toxic by ingestion.		
Cumene	3	O-4 Flam Cabinet	Flammable. Central nervous system depressant. Peroxide former. Explosion risk.		
Cyanogen Bromide	3	O-4	Poison. Corrosive. Reacts with acids to form poison gas.		
Cyclohexane	1	O-3 Flam Cabinet	Highly flammable.		
Cyclohexanol	1	O-2 Flam Cabinet	Combustible. Peroxidizable. Toxic by inhalation.		
Cyclohexanone	1	O-4 Flam Cabinet	Combustible.		
Cyclohexene	3	O-3 Flam Cabinet	Flammable, peroxide former		
Denatured Alcohol	1	O-2 Flam Cabinet	Flammable. Toxic via ingestion. Source of many lab fires. Methanol + Ethanol		
Dichlorobenzene, p-	2	O-4	Toxic. Severe irritant.		
Dichloroethane, 1,2- (ethylene dichloride)	3	O-4 Flam Cabinet	Flammable. Toxic. Bioaccumulative pollutant		

Chemical Name	Risk	Storage Category	Hazards	Number and Size of Containers	Prepared /Exp Date
Diethylamine	3	O-2 Flam Cabinet	Flammable. Corrosive to skin & eyes.		
Dimethyl Aniline	3	O-2 Flam Cabinet	Combustible. Poison by ingestion. Irritant. Central nervous system depressant.		
Dimethyl Sulfoxide	1	O-7	Combustible.		
Dinitrophenol, 2,4-	3	O-4	Poison by inhalation, skin absorption. Explosive. "Bomb Squad"		
Dinitrophenyl Hydrazine, 2,4-	3	O-4	Explosion risk		
Dioxane, 1,4-	3	O-4 Flam Cabinet	Flammable. Peroxide former. Explosion risk.		
Diphenylamine	2	O-2	Possible mutagen and teratogen		
Drierite (anhydrous calcium sulfate)	0	I-Misc	Non-hazardous		
EDTA	0	I-1	Non hazardous		
Epsom Salts (magnesium sulfate)	0	I-2	Non hazardous		
Eriochrome Black T	0	O-Misc	Non-hazardous		
Estrone	3	O-2	Steroid. Carcinogen. Theft Risk.		
Ethanol (ethyl alcohol)	1	O-2 Flam Cabinet	Flammable.		
Ethidium Bromide	2	O-2	Potent Mutagen		
Ethyl Acetate	1	O-3 Flam Cabinet	Flammable.		
Ethyl Carbamate (urethane)	2	O-2 Flam Cabinet	Toxic. Combustible. Possible carcinogen.		
Ethyl Chloride	3	O-4 Flam Cabinet	Extremely flammable. Contact w/ water produces corrosive, toxic fumes.		
Ethyl Ether (diethyl ether or anhydrous ether)	3	O-4 Flam Cabinet	Flammable. Peroxide former. Explosion risk.		
Ethyl Iodide	3	O-2 Flam Cabinet	Combustible. Contact w/ water produces corrosive, toxic fumes.		
Ethyl Nitrate	3	O-4 Explosive	Explosive. "Bomb squad"		
Ethylene Glycol	1	O-2	Toxic.		
Ethylenediamine	3	O-2 Flam Cabinet	Flammable. Toxic by inhalation. Corrosive base.		
Ethyleneimine	3	O-2 Flam Cabinet	Flammable. Toxic. P –listed		
Fast Green Dye	1	O-Misc	Toxic.		
Fehling's Solution - Part A	1	I-2	7 % Copper sulfate. Toxic by ingestion		

Chemical Name	Risk	Storage Category	Hazards	Number and Size of Containers	Prepared /Exp Date
Fehling's Solution - Part B	1	I-4 Base Cabinet	25% Potassium hydroxide. Corrosive. Toxic by ingestion.		
Ferric Chloride	1	I-2	Corrosive to skin & eyes.		
Ferric Nitrate	1	I-3	Oxidizer		
Ferric Oxide	1	I-4	Severe irritant.		
Ferric Sulfate	0	I-2	Non hazardous		
Ferrous Ammonium Sulfate	0	I-2	Non hazardous		
Ferrous Oxide	1	I-4	Flammable as powder.		
Ferrous Sulfate	0	I-2	Non hazardous		
Ferrous Sulfide	1	I-5	Reacts with acids to form poisonous hydrogen sulfide gas		
Fluorescein (sodium hydroxide solution)	1	I-4 Base Cabinet	Corrosive to eyes and skin.		
Formaldehyde (37% Solution)	3	O-3	Toxic. Carcinogen. Severe sensitizer		
Formalin, buffered, (<10% solution)	2	O-3	Toxic. Carcinogen. Severe allergen.		
Formic Acid	2	O-1 Organic Acid	Corrosive. May degrade & pressurize sealed container.		
Fructose	0	O-Misc	Non hazardous		
Furfural	3	O-3 Flam Cabinet	Combustible. Toxic via inhalation & ingestion. Dangerous to eyes.		
Galactose	0	O-Misc	Non hazardous		
Gentian Violet	0	O-Misc	Non hazardous		
Gibberelic Acid	0	O-Misc	Non hazardous		
Giemsa Stain	1	O-2 Flam Cabinet	Flammable as mixture with alcohol		
Glucose	0	O-Misc	Non hazardous		
Glutaraldehyde (>10%)	1	O-3	Toxic via inhalation & skin absorption. Strong irritant.		
Glycerin	0	O-2	Non hazardous		
Gram's Iodine Stain	1	O-Misc	Moderately corrosive to tissues, especially eyes.		
Graphite	0	O-1	Flammable Solid		
Gum Arabic	0	O-1	Non hazardous		
Gunpowder	3	I-4 Flam Cabinet	Explosive, theft risk		
Hayem Diluting Fluid	3	I-2	Contains mercuric chloride. Severe poison.		
Helium	0	Gas Cylinder	Non hazardous		
Heptane	1	O-3 Flam Cabinet	Flammable		

Chemical Name	Risk	Storage Category	Hazards	Number and Size of Containers	Prepared /Exp Date
Hexamethylenediamine (1,6-hexanediamine)	2	O-2 Base Cabinet	Corrosive if in typical solution with sodium hydroxide. Absorbs through skin, lachrymator		
Hexane	1	O-3 Flam Cabinet	Flammable.		
Hexanes	2	O-3 Flam Cabinet	Flammable		
Hydrazine	3	O-2 Flam Cabinet	Flammable. Poison by inhalation & skin absorption. Carcinogen. Corrosive to skin.		
Hydrazine Sulfate	3	O-2	Poison. Absorbs through skin. Carcinogen.		
Hydriodic Acid	3	I-9 Acid Cabinet	Corrosive. Toxic by inhalation		
Hydrobromic Acid	2	I-9 Acid Cabinet	Corrosive. Toxic fumes		
Hydrochloric Acid (>5 molar)	1	I-9 Acid Cabinet	Highly corrosive. Toxic via inhalation & ingestion.		
Hydrofluoric Acid	3	I-9 Acid Cabinet	Corrosive. Poison. Absorbs readily through skin,		
Hydrogen Peroxide, >29%	2	I-6	Powerful oxidizer. Corrosive to skin		
Hydrogen Peroxide, 3%	0	I-6	Non hazardous		
Hydrogen Peroxide, 8%	2	I-6	Powerful oxidizer. Corrosive to skin		
Hydrogen Sulfide, gas cylinders	3	Poison Gas	Poison. Inhalation hazard. Stench		
Hydrogen, gas cylinders	2	Flam Gas	Flammable		
Hydroquinone	3	O-2	Toxic by ingestion & inhalation. Corrosive to eyes & skin.		
Immersion Oil (very old)	1	O-2	May have 10-30% PCBs such as Arochlor 1260.		
Indigo Carmine	0	O-Misc	Non-hazardous		
Ink	0	O-Misc	Non hazardous		
Iodine	1	I-2	Corrosive. Toxic via inhalation of vapors & dusts.		
Iodine Tincture	1	I-2 Flam Cabinet	Flammable alcohol mixture.		
Iron Chloride (ferric chloride)	1	I-2	Corrosive. Toxic by ingestion.		
Iron Citrate	0	O-1	Non hazardous		
Iron Nitrate (ferric nitrate)	1	I-3	Oxidizer		
Iron Oxide	0	I-4	Non hazardous		
Iron Pyrite	0	I-2	Non hazardous		
Iron, lump	0	I-1	Non hazardous		
Iron, powder	0	I-1	Flammable solid		

Chemical Name	Risk	Storage Category	Hazards	Number and Size of Containers	Prepared /Exp Date
Isobutanol	1	O-2 Flam Cabinet	Flammable liquid. Slightly toxic.		
Isopentyl Alcohol (isoamyl alcohol)	2	O-2 Flam Cabinet	Flammable. Can form explosive peroxides when concentrated		
Isopropanol (isopropyl alcohol)	1	O-2 Flam Cabinet	Flammable. Can form explosive peroxides when concentrated		
Isopropyl Ether	3	O-4 Flam Cabinet	Flammable, Highest-risk peroxide former. Explosive. Bomb squad.		
Janus Green	0	O-Misc	Non-hazardous		
Kaolin (aluminum silicate)	0	I-4	Non-hazardous		
Kerosene	1	O-3	Combustible		
Lactic Acid	1	O-1 Organic Acid	Corrosive. Toxic.		
Lactose	0	O-Misc	Non hazardous		
Lanolin	0	O-Misc	Non hazardous		
Lauric Acid	0	O-Misc	Non hazardous		
Lauroyl Peroxide	2	O-6	Severe irritant. Powerful oxidizer.		
Lead Acetate	2	I-2	Poison		
Lead Carbonate	2	I-4	Poison		
Lead Chloride	2	I-2	Poison		
Lead Chromate	3	I-8	Highly poisonous. Possible carcinogen.		
Lead Dioxide	2	I-4	Poison. Oxidizer		
Lead Iodide	2	I-2	Poison.		
Lead Monoxide (Litharge)	2	I-4	Poison		
Lead Nitrate	2	I-3	Poison. Oxidizer		
Lead Oxide	2	I-4	Poison.		
Lead Sulfate	2	I-2	Poison.		
Lead, lump	1	I-1	Toxic when scraped into shavings or powder or if acidified.		
Lead, powder	3	I-1	Poison.		
Lime Water (calcium hydroxide solution)	1	I-4	Moderately corrosive to tissues, especially eyes.		
Lithium Aluminum Hydride	3	I-1	Flammable solid. Reacts with air, water & organics		
Lithium Carbonate	0	I-4	Non hazardous		
Lithium Chloride	0	I-2	Non hazardous		
Lithium Fluoride	1	I-2	Poison by ingestion. Emits toxic fumes when heated.		
Lithium Hydroxide	1	I-4	Corrosive.		
Lithium Nitrate	1	I-3	Oxidizer		

Chemical Name	Risk	Storage Category	Hazards	Number and Size of Containers	Prepared /Exp Date
Lithium Sulfate	0	I-2	Non hazardous		
Lithium, Metal	2	I-1	Reacts with water & nitrogen in air. Flammable solid.		
Litmus	0	O-Misc	Non hazardous		
Lugol's Iodine	0	I-2	Moderately corrosive to tissues, especially eyes.		
Luminol	0	O-Misc	Non hazardous		
Lycopodium	1	O-Misc	Highly flammable if dust is mixed with air.		
Lye	2	I-4 Base Cabinet	Sodium hydroxide. Highly corrosive, especially to eyes.		
Magnesium Bromide	0	I-2	Non hazardous		
Magnesium Carbonate	0	I-4	Non hazardous		
Magnesium Chloride	0	I-2	Non hazardous		
Magnesium Nitrate	1	I-3	Oxidizer.		
Magnesium Oxide	0	I-4	Non hazardous		
Magnesium Perchlorate (Anhydron)	3	I-6	Powerful oxidizer. Explosive reaction with alcohols.		
Magnesium Sulfate	0	I-2	Non hazardous		
Magnesium, powder	2	I-1	Highly flammable. May spontaneously ignite when wet or if friction is applied.		
Magnesium, turnings or ribbon	1	I-1	Flammable solid.		
Malachite Green	0	O-Misc	Causes eye burns. Harmful if swallowed or inhaled.		
Maleic Acid	0	O-1	Combustible.		
Malonic Acid	1	O-1 Organic Acid	Toxic		
Maltose	0	O-Misc	Non hazardous		
Manganese Carbonate	0	I-4	Non hazardous		
Manganese Chloride	0	I-2	Non hazardous		
Manganese Dioxide	1	I-4	Oxidizer. Toxic.		
Manganese Nitrate	1	I-3	Oxidizer		
Manganese Sulfate	0	I-2	Non hazardous		
Manganese, dust	1	I-1	Flammable solid.		
Mannitol	0	O-2	Non-hazardous		
Marble Chips	0	I-4	Non hazardous		
Mercaptoethanol	3	O-2 Flam Cabinet	Flammable. Corrosive. Intense stench		
Mercuric Chloride	3	I-2	Poison.		
Mercuric Iodide	3	I-2	Poison.		
Mercuric Nitrate	3	I-3	Poison. Oxidizer		
Mercuric Sulfate	3	I-2	Poison.		

Chemical Name	Risk	Storage Category	Hazards	Number and Size of Containers	Prepared /Exp Date
Mercuric Sulfide	3	I-5	Poison. Reacts with acids to form poisonous hydrogen sulfide gas		
Mercurochrome	2	O-2	Toxic. Mercury compound		
Mercurous Chloride	3	I-2	Poison		
Mercurous Nitrate	3	I-3	Poison. Oxidizer.		
Mercurous Sulfate	3	I-2	Poison.		
Mercury Thermometers	2	I-1 Separate	Toxic heavy metal. Carcinogen. Volatile liquid. Corrosive.		
Mercury, liquid	2	I-1	Toxic heavy metal. Carcinogen. Volatile liquid. Corrosive.		
Methanol (methyl alcohol)	1	O-2 Flam Cabinet	Flammable. Toxic via ingestion. Source of many lab fires.		
Methyl Ethyl Ketone	2	O-4 Flam Cabinet	Flammable. Dangerous fire risk. Toxic		
Methyl Iodide (Iodomethane)	3	O-4 Flam Cabinet	May be a narcotic; Carcinogen. Lachrymator.		
Methyl Isobutyl Ketone	2	O-4 Flam Cabinet	Flammable. Peroxidizable. Toxic.		
Methyl Isocyanate	3	O-5 Flam Cabinet	Flammable, dangerous fire risk, toxic		
Methyl Isopropyl Ketone	2	O-4 Flam Cabinet	Flammable. Toxic by ingestion. Skin irritant.		
Methyl Methacrylate	2	O-3 Flam Cabinet	Flammable. Toxic via inhalation. Can polymerize violently.		
Methyl Orange	1	O-9	Non hazardous		
Methyl Red	0	O-Misc	Non hazardous		
Methyl Salicylate	0	O-Misc	Non hazardous		
Methyl Violet	0	O-Misc	Non hazardous		
Methylamine	3	O-2 Flam Cabinet	Flammable. Corrosive. Intense stench. Inhalation toxin.		
Methylene Blue	0	O-Misc	Poison via ingestion.		
Methylene Chloride (dichloroethane)	2	O-4	Suspected carcinogen. Bioaccumulative pollutant. Toxic.		
Millon's Reagent	3	I-9 Acid Cabinet	Mercury nitrate + nitric acid. Deadly poison. Highly corrosive.		
Mineral Oil	0	O-3	Combustible		

Chemical Name	Risk	Storage Category	Hazards	Number and Size of Containers	Prepared /Exp Date
Molisch Reagent	1	O-2 Flam Cabinet	Naphthol + ethanol. Toxic & flammable.		
Molybdenum, dust	1	I-1	Flammable.		
Muriatic Acid	1	I-9 Acid Cabinet	Highly corrosive. Toxic via inhalation & ingestion.		
Naphthalene	1	O-3	Toxic by ingestion, inhalation & skin absorption.		
Naphthol, 1-	2	O-8	Teratogen. Toxic by ingestion. Combustible		
Naphthol, 2-	2	O-8	Toxic by ingestion. Combustible.		
Naphthylamine, a-	3	O-2 Flam Cabinet	Combustible, Toxic. Carcinogen. Absorbs through skin or lungs		
Nessler's Reagent	3	I-4	Mercury iodide + sodium hydroxide. Deadly poison. Corrosive.		
Niacin	0	O-Misc	Non hazardous		
Nickel Acetate	1	I-2	Toxic by ingestion		
Nickel Ammonium Sulfate	1	I-2	Toxic by ingestion		
Nickel Chloride	1	I-2	All nickel dusts are carcinogenic. Toxic.		
Nickel Nitrate	2	I-3	Strong oxidizer. Carcinogen as dust.		
Nickel Oxide	2	I-4	Flammable as dust. Toxic. Carcinogen.		
Nickel Sulfate	1	I-2	Toxic by ingestion		
Nickel, dust	2	I-1	All nickel dusts are carcinogenic. Toxic.		
Nicotine	3	O-2	Poison. P-Listed Extremely hazardous		
Ninhydrin	2	O-2	Toxic. Strong irritant.		
Nitric acid (>1 molar & <10 molar)	1	I-9 Acid Cabinet	Oxidizer. Toxic. Corrosive.		
Nitric Acid, concentrated	2	I-9 Acid Cabinet	Poison. Highly corrosive. Powerful oxidizer.		
Nitrilotriacetic Acid	3	O-1 Organic Acid	Confirmed carcinogen. Toxic via ingestion.		
Nitrobenzene	3	O-3 Flam Cabinet	Toxic. Combustible. Oxidizer. Absorbs through skin.		
Nitrogen Triiodide	3	O-4 Explosive	Explosive. Highly unstable! "Bomb Squad"		
Nitroglycerin	3	O-4 Explosive	Explosive. "Bomb Squad"		
Nitrophenol, 3-	2	O-8	Toxic via ingestion, inhalation.		
Nitrophenol, 4-	2	O-8	Poison via inhalation, ingestion, skin contact.		
Octanol, 2-	2	O-2 Flam Cabinet	Combustible. Can form explosive peroxides if concentrated.		
Oleic Acid	0	O-1	Non-hazardous		

Chemical Name	Risk	Storage Category	Hazards	Number and Size of Containers	Prepared /Exp Date
Osmium Tetraoxide (Osmic Acid)	3	I-4	Poison. P-Listed Extremely Hazardous.		
Oxalic Acid	1	I-1	Toxic. Irritant.		
Pancreatin	0	O-Misc	Non hazardous		
Paraffin	0	O-Misc	Non hazardous		
Paraformaldehyde	3	O-3	Releases poisonous formaldehyde gas when heated		
Paraldehyde	3	O-3 Flam Cabinet	Flammable. Controlled substance. Poison. Theft risk.		
Pentachlorophenol	3	O-4	Extremely toxic. Bioaccumulative pollutant.		
Pentane	1	O-3 Flam Cabinet	Flammable. Narcotic at high concentrations.		
Pepsin	0	O-Misc	Non hazardous		
Perchloric Acid	3	I-9 Acid Cabinet	Powerful oxidizer. Highly corrosive. Potential explosive in contact w/ metals		
Perchloroethylene	2	O-4	Toxic. Bioaccumulative pollutant.		
Petroleum Ether	1	O-3 Flam Cabinet	Flammable.		
Phenanthroline	2	O-2	Toxic by ingestion.		
Phenol	2	O-8	Poison. Corrosive. Readily absorbed through skin.		
Phenolphthalein	0	O-Misc	Non hazardous		
Phenyl Red	0	O-Misc	Non hazardous		
Phenylthiocarbamide	2	O-2	Deadly poison.		
Phosphate Buffers	0	O-Misc	Non hazardous		
Phosphoric Acid	1	I-9 Acid Cabinet	Corrosive. Toxic.		
Phosphorus Pentasulfide	3	I-5	Water Reactive. Toxic. Incompatible with air & moisture		
Phosphorus Pentoxide	3	I-10	Oxidizer. Corrosive. Toxic.		
Phosphorus, Red	2	I-10 Flam Cabinet	Flammable solid. Poison		
Phosphorus, Yellow or White	3	I-10 Flam Cabinet	Spontaneously ignites in air. Poison.		
Physostigmine	3	O-2	P-listed. Toxic		
Picric Acid, Trinitrophenol	3	O-8 Organic Acid	Explosive when dry. Explosive crystals form in contact with metals.		
Polyurethane Foam – Part B	2	O-5	Can contain toxic isocyanates. Use in hood.		
Polyvinyl Alcohol	1	O-2	Combustible as dust.		
Polyvinyl Alcohol	1	O-2	Combustible as dust.		

Chemical Name	Risk	Storage Category	Hazards	Number and Size of Containers	Prepared /Exp Date
Potassium Acetate	0	I-4	Non hazardous		
Potassium Bicarbonate	0	I-4	Non hazardous		
Potassium Bromate	2	I-6	Strong oxidizer. Toxic.		
Potassium Carbonate	0	I-4	Non hazardous		
Potassium Chlorate	2	I-6	Powerful oxidizer. Theft risk. May explode if heated.		
Potassium Chloride	0	I-2	Non hazardous		
Potassium Chromate	2	I-8	Powerful oxidizer. Toxic. Carcinogen		
Potassium Citrate	0	O-1	Non hazardous		
Potassium Cyanide	3	I-7	Severe poison. P-Listed. Releases poison gas when acidified even slightly.		
Potassium Dichromate	2	I-8	Powerful oxidizer. Toxic. Carcinogen		
Potassium Ferricyanide	2	I-7	Releases cyanide gas if heated or acidified. Toxic		
Potassium Ferrocyanide	2	I-7	Releases cyanide gas if heated or acidified. Toxic		
Potassium Fluoride (potassium bifluoride)	2	I-2	Poison by ingestion or inhalation. Severe skin irritant.		
Potassium Hydroxide	2	I-4 Base Cabinet	Corrosive. Blisters skin on contact.		
Potassium Hydroxide (>3 molar)	1	I-4 Base Cabinet	Corrosive. Blisters skin on contact.		
Potassium Iodate	1	I-6	Oxidizer. Toxic.		
Potassium Iodide	0	I-2	Non hazardous		
Potassium Nitrate	1	I-3	Oxidizer		
Potassium Nitrite	1	I-3	Oxidizer. Toxic by ingestion.		
Potassium Oxalate	2	I-2	Poison. Corrosive.		
Potassium Perchlorate	3	I-6	Powerful oxidizer. Reactivity hazard. Severe irritant.		
Potassium Periodate	1	I-6	Oxidizer. Severe skin irritant.		
Potassium Permanganate	1	I-8	Strong oxidizer. Strong irritant. Can explode if quickly heated.		
Potassium Peroxide	3	I-6	Water reactive. Strong oxidizer.		
Potassium Persulfate	1	I-6	Strong oxidizer. Strong irritant.		
Potassium Phosphate	0	I-2	Non hazardous		
Potassium Sodium Tartrate	0	I-2	Non hazardous		
Potassium Sulfate	0	I-2	Non hazardous		
Potassium Sulfide	3	I-5	Flammable. Unstable, may ignite spontaneously.		

Chemical Name	Risk	Storage Category	Hazards	Number and Size of Containers	Prepared /Exp Date
Potassium Tartrate	0	I-2	Non hazardous		
Potassium Thiocyanate	1	I-7	Toxic by ingestion. Reacts with acids to release cyanide gas.		
Potassium, metal	3	I-1	Water reactive, peroxide former (orange fog/crystals)		
Propanol, n-	1	O-2 Flam Cabinet	Flammable.		
Propionic Acid	2	O-1 Organic Acid	Corrosive. Flammable.		
Propylene Glycol	0	O-2	Non hazardous		
Pyridine	3	O-2 Flam Cabinet	Flammable. Toxic by ingestion, inhalation, skin contact Vapor forms explosive mix with air		
Pyrogallol	2	O-8	Toxic. Readily absorbed through skin.		
Resorcinol	2	O-8	Toxic. Easily absorbed through skin.		
Rhodamine	0	O-Misc	Non-hazardous		
Ringer's Solution	0	O-Misc	Non-hazardous		
Rose Bengal	0	O-Misc	Non-hazardous		
Rosin, Gum	0	O-Misc	Non-hazardous		
Rubber Cement Solvent	1	O-3 Flam Cabinet	Flammable		
Rubber Cement Thinner	1	O-3 Flam Cabinet	Flammable		
Sebacoyl Chloride	2	O-1 Organic Acid	Corrosive fumes. Lachrymator		
Sebacoyl Chloride/Hexane Solution	2	O-3 Flam Cabinet	Flammable. Corrosive.		
Selenium	2	I-1	Acute poison by inhalation of powder or ingestion.		
Silica Gel	0	O-Misc	Non hazardous		
Silver Acetate	2	I-2	Toxic		
Silver Chloride	2	I-2	Toxic		
Silver Cyanide	3	I-7	Severe poison. P-Listed. Releases poison gas when acidified even slightly.		
Silver Nitrate	2	I-3	Oxidizer. Poison. Corrosive.		
Silver Nitrate	2	I-3	Oxidizer. Poison. Corrosive.		
Silver Oxide	2	I-4	Oxidizer. Toxic.		
Soda Lime	1	I-4 Base Cabinet	Calcium oxide + sodium hydroxide. Corrosive solid. Generates heat in contact w/ water.		
Sodium Acetate	0	I-2	Non hazardous		

Chemical Name	Risk	Storage Category	Hazards	Number and Size of Containers	Prepared /Exp Date
Sodium Arsenate	3	I-7	Deadly poison. Carcinogen.		
Sodium Arsenite	3	I-7	Deadly poison. Carcinogen.		
Sodium Azide	3	I-3	Poison, explosive reaction with metals. P-Listed Extremely hazardous		
Sodium Bezoate (borax)	1	O-3	Toxic by ingestion.		
Sodium Bicarbonate	0	I-4	Non hazardous		
Sodium Bismuthate	1	I-7	Oxidizer.		
Sodium Bisulfate	0	I-2	Non hazardous		
Sodium Bisulfite (sodium hydrogen sulfite)	1	I-2	Severe skin irritant when moist. Toxic.		
Sodium Borate	0	I-8	Non hazardous		
Sodium Borohydride	3	I-1	Flammable solid. Water reactive		
Sodium Bromate	2	I-6	Oxidizer. Toxic by ingestion.		
Sodium Bromide	0	I-2	Non hazardous		
Sodium Carbonate	0	I-4	Non hazardous		
Sodium Chlorate	2	I-6	Powerful oxidizer. Theft risk. May explode if heated.		
Sodium Chloride	0	I-2	Non hazardous		
Sodium Chloride	0	I-2	Non hazardous		
Sodium Chromate	2	I-8	Powerful oxidizer. Toxic. Carcinogen		
Sodium Citrate	0	I-8	Non hazardous		
Sodium Cobaltinitrate	1	I-3	Oxidizer		
Sodium Cyanide	3	I-7	Severe poison. P-Listed. Releases poison gas when acidified even slightly.		
Sodium Dichromate	2	I-8	Powerful oxidizer. Toxic. Carcinogen		
Sodium Ferrocyanide	2	I-7	Can release cyanide gas if heated or acidified.		
Sodium Fluoride (Bifluoride)	2	I-2	Poison by ingestion or inhalation. Strong skin irritant.		
Sodium Hydrosulfite (sodium dithionite)	3	I-2	Water reactive. Toxic by ingestion & inhalation. An allergen. Powerful reducing agent.		
Sodium Hydroxide (>3 molar)	1	I-4 Base Cabinet	Corrosive. Blisters skin on contact.		
Sodium Hydroxide (Red Devil Lye)	1	I-4 Base Cabinet	Corrosive. Blisters skin on contact.		
Sodium Hypochlorite (>4 % solution)	1	I-6	Toxic by ingestion & inhalation. Oxidizer. Reacts with acid to form chlorine gas.		
Sodium Iodide	0	I-2	Non hazardous		
Sodium Lactate	0	O-Misc	Non hazardous		

Chemical Name	Risk	Storage Category	Hazards	Number and Size of Containers	Prepared /Exp Date
Sodium Metabisulfite	2	I-2	Toxic by inhalation. Severe respiratory allergen. Releases poisonous sulfur dioxide gas when wet or acidified.		
Sodium Nitrate	1	I-3	Oxidizer.		
Sodium Nitrite	1	I-3	Oxidizer. Toxic by ingestion.		
Sodium Nitroferricyanide	2	I-7	Inhalation & ingestion toxic. Reacts with acids to form cyanide gas.		
Sodium Oxalate	2	I-2	Poison. Corrosive.		
Sodium Perborate	2	I-8	Oxidizer. Toxic by ingestion.		
Sodium Perchlorate	3	I-6	Powerful oxidizer. Reactivity hazard. Severe irritant.		
Sodium Peroxide	3	I-6	Water reactive. Strong oxidizer.		
Sodium Phosphate	0	I-2	Non hazardous		
Sodium Salicylate	0	O-Misc	Non hazardous		
Sodium Silicate	0	I-2	Non hazardous		
Sodium Sulfate	0	I-2	Non hazardous		
Sodium Sulfide	2	I-5	Poison. Reacts with acids to form poisonous hydrogen sulfide gas		
Sodium Sulfite	1	I-2	Toxic by ingestion.		
Sodium Tartrate	0	I-2	Non hazardous		
Sodium Thiocyanate	1	I-7	Toxic by ingestion. Reacts with acids to form poisonous cyanide gas.		
Sodium Thiosulfate	0	I-2	Non hazardous		
Sodium, metal lump	2	I-1	Water reactive. Ignites spontaneously in dry hot air. Corrosive		
Sodium, metal, small chips	1	I-1	Water reactive. Corrosive		
Stannic Chloride	2	I-2	Corrosive. Can produce hydrochloric acid fumes. Toxic by inhalation.		
Stannic Chloride	2	I-2	Corrosive. Can produce hydrochloric acid fumes. Toxic by inhalation.		
Stannous Chloride	1	I-2	Corrosive. Toxic. Skin irritant.		
Starch	0	O-Misc	Non hazardous		
Stearic Acid	0	O-1	Non hazardous		
Strontium	3	I-1	Flammable. Store under naphtha. Water reactive.		
Strontium Chloride	0	I-2	Non hazardous		
Strontium Hydroxide Solution	2	I-4 Base Cabinet	Corrosive.		
Strontium Nitrate	1	I-3	Oxidizer.		

Chemical Name	Risk	Storage Category	Hazards	Number and Size of Containers	Prepared /Exp Date
Strychnine	2	O-2	Poison		
Styrene, monomer	2	O-3 Flam Cabinet	Flammable. Suspect carcinogen.		
Sucrose	0	O-Misc	Non hazardous		
Sudan Dyes	0	O-Misc	Non hazardous		
Sulfamic Acid	1	I-9 Acid Cabinet	Corrosive.		
Sulfur	1	I-10	Combustible. Releases poisonous sulfur dioxide gas when wet or acidified.		
Sulfur Dioxide, gas cylinder	3	Poison Gas	Poison gas at high levels. Corrosive irritant to eyes & skin.		
Sulfuric Acid	1	I-9 Acid Cabinet	Corrosive. Oxidizer.		
Talc	0	I-Misc	Non hazardous		
Tannic Acid	1	O-1	Toxic by ingestion.		
Testosterone	3	O-2	Controlled substance. Steroid. Theft risk.		
Testosterone Propionate	3	O-2	Controlled substance. Steroid. Theft risk.		
Tetrahydrofuran	3	O-4 Flam Cabinet	Flammable. Peroxide former. Explosion risk.		
Thallium	3	I-1	Extremely poisonous.		
Thermite	2	I-1 Flam Cabinet	Flammable solid.		
Thermite Igniting Mixture	2	I-1 Flam Cabinet	Flammable solid.		
Thimerosal (merthiolate, mercurochrome)	2	O-2	Poison. Organic mercury compound.		
Thioacetamide	3	O-2 Flam Cabinet	Toxic. Carcinogen. Combustible.		
Thionyl Chloride	3	I-6 Acid Cabinet	Corrosive. Violent reaction w/ water forms acid gas.		
Thiourea	3	O-2	Carcinogen. Poison.		
Thorium Nitrate	2	I-3 Radioactive	Radioactive. Toxic. Oxidizer		
Thymol Dyes	0	O-Misc	Non hazardous		
Tin, metal lump	0	I-1	Non hazardous		
Tin, powder	1	I-1	Flammable dust		
Titanium Tetrachloride	3	I-2	Toxic inhalation hazard. Highly corrosive.		
Titanium Trichloride	3	I-2	Corrosive. Reacts with water & heat to produce corrosive, toxic fumes.		

Chemical Name	Risk	Storage Category	Hazards	Number and Size of Containers	Prepared /Exp Date
Toluene	2	O-3 Flam Cabinet	Flammable. Toxic		
Trichloroacetic Acid	2	O-1 Organic Acid	Corrosive. Toxic fumes. Bioaccumulative pollutant. Degrades to form chloroform.		
Trichloroethane	3	O-4	Toxic. Ozone depleting chemical. Bioaccumulative pollutant.		
Trichloroethylene	3	O-4	Toxic via skin, inhalation. Ozone depleter. Bioaccumulative pollutant. Carcinogen.		
Triethyl Phosphate	2	O-5	Pesticide. Moderate cholinesterase inhibitor.		
Triethylamine	3	O-2 Flam Cabinet	Flammable. Toxic. Irritant.		
Trinitrobenzene	3	O-3 Explosive	Explosive. "Bomb Squad"		
Trinitrotoluene (TNT)	3	O-3 Explosive	Explosive. "Bomb Squad"		
Turpentine	1	O-3 Flam Cabinet	Flammable.		
Universal Indicator (ethanol solution)	1	O-2 Flam Cabinet	Flammable		
Uranium	2	I-1 Radioactive	Radioactive. Toxic by ingestion.		
Uranyl Acetate	2	I-2 Radioactive	Radioactive. Toxic by ingestion.		
Uranyl Nitrate	3	I-3 Radioactive	Radioactive. Toxic by ingestion. Oxidizer. Corrosive to skin.		
Urea	0	O-2	Non hazardous		
Vanadium Pentoxide	3	I-4	Poison via inhalation & ingestion.		
Wood's Metal	2	I-1	Poison. Contains cadmium & lead.		
Wright's Staining Solution	1	O-9 Flam Cabinet	Mixed with methanol. Flammable. Toxic by ingestion.		
Xylene	2	O-3 Flam Cabinet	Flammable. Toxic		
Zinc Acetate	1	I-2	Toxic by ingestion		
Zinc Carbonate	1	I-4	Toxic by ingestion		
Zinc Chloride	1	I-2	Corrosive to skin. Toxic by ingestion.		
Zinc Nitrate	1	I-3	Oxidizer. Toxic by ingestion.		
Zinc Sulfate	1	I-2	Toxic by ingestion		
Zinc Sulfide	1	I-5	Reacts with acids to form poisonous hydrogen sulfide gas.		
Zinc, metal lump	0	I-1	Non hazardous		

Chemical Name	Risk	Storage Category	Hazards	Number and Size of Containers	Prepared /Exp Date
Zinc, powder	1	I-1	Flammable solid. If gets damp, can generate heat & pressurize container.		
Zirconium Nitrate	1	I-3	Oxidizer		

Chemical Name	Risk	Storage Category	Hazards	Number and Size of Containers	Prepared /Exp Date
Risk Levels:					
3: Highest Risk Chemicals - Not Recommended for Use in Schools.			Flammability Hazards Rating:		
2: High Risk Chemicals - Use with extreme care. Purchase in			0: Materials are not ignitable.		
1: Other Chemicals of Concern - Stock smallest practical amount. Limit student use unless low concentration.			1: Materials that require considerable preheating before ignition and combustion can occur.		
			2: Materials that, under high ambient temperatures or under moderate heating could ignite or release hazardous vapors.		
			3: Materials can be readily ignited and produce hazardous vapors under almost all ambient temperatures.		
Hazards Rating:			4: Materials that rapidly or completely vaporize and disperse at normal ambient temperatures and will burn readily.		
W: Materials that react violently or explosively with water (i.e., water reactivity rating 2 or 3).					
OX: Materials possess oxidizing properties (promote ignition and					
RAD: Materials that are radioactive.			Reactivity Rating:		
			0: Materials are normally stable even under fire conditions.		
			1: Materials are normally stable but can become unstable at elevated temperatures and pressures.		
Health Hazards Rating:			2: Materials readily undergo violent chemical change at elevated temperatures and pressures.		
0: Materials that offer no hazard beyond that of ordinary combustible materials.			3: Materials are capable of detonation but require an initiating source or heating under confinement first.		
1: Materials that, under emergency conditions, can cause significant irritation.			4: Materials are readily capable of detonation or explosive decomposition at normal temperatures and pressures.		
2: Materials that, under emergency conditions, can cause temporary incapacitation or residual injury.					
3: Materials that, under emergency conditions, can cause serious or permanent injury.					
4: Materials that, under emergency conditions, can be lethal.					