

BANNED CHEMICAL LIST

| <u>Chemical Name</u> | <u>Acute Exposure Hazard</u> | <u>Chronic Exposure Hazard</u> | <u>Lowest Grade Level Allowed</u> | <u>Storage Category</u> |
|------------------------------|--|---|--|--------------------------------|
| Acetal | Explosion risk from peroxide formation. Flammable. Slightly toxic by ingestion & skin contact. Irritant. | No confirmed human disease-related or reproductive hazard data reported | Ban Candidate | O-3 Flam Cabinet |
| Acetaldehyde | Explosion risk from peroxide formation. Flammable. Slightly toxic by inhalation, ingestion and skin contact. Irritant to eyes. | Liver function impairment | Ban Candidate | O-3 Flam Cabinet |
| Acetyl Chloride | Water reactive. Flammable. Corrosive. Poison by inhalation. | No confirmed human disease-related or reproductive hazard data reported | Ban Candidate | O-4 Acid Cabinet |
| Acrolein | Flammable. P-listed. Extremely hazardous. Poison by inhalation. Lachrymator. | Mutagen | Ban Candidate | O-3 Flam Cabinet |
| Acrylamide | Neurotoxin by ingestion & skin contact | Carcinogen | Ban Candidate | O-2 |
| Acrylic Acid | Explosive if stored at room temperature. Flammable. Corrosive. Poison by ingestion. Toxic by skin contact. | Teratogen | Ban Candidate | O-1 Flam Cabinet |
| Acrylonitrile | Flammable. Poison by inhalation and skin contact. Toxic by ingestion. | Carcinogen. Teratogen. | Ban Candidate | O-7 Flam Cabinet |
| Adrenaline | P-List. Extremely hazardous. Reported as poison by ingestion, inhalation or skin contact. Drug Precursor. Theft risk. | Teratogen. Sensitizer. | Ban Candidate | O-2 |
| Adrenaline Chloride Solution | Highly diluted (1000:1). Pure compound is regulated by DOT as poison by ingestion. | Teratogen | Ban Candidate | O-2 |
| Alkaline Iodide Azide | Corrosive. Poison by ingestion. | No confirmed human disease-related or reproductive hazard data reported | Ban Candidate | I-4 Base Cabinet |
| Allyl Chloride | Peroxide forming compound. Flammable. Toxic by inhalation. Slightly toxic by ingestion & skin contact. | Mutagen | Ban Candidate | O-7 Flam Cabinet |

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|-----------------------------|--|---|--|--------------------------------|
| Americium - Metal Lump | Radioactive. Reported poison by inhalation. | Likely to cause cancer by inhalation since it is a bone-seeking long-lived radioactive element. | Ban Candidate | I-1 Radioactive |
| Amidol | Toxic by ingestion. Irritant. | Sensitizer. | Ban Candidate | O-8 |
| Aminodiphenyl, 4- | Toxic by ingestion. Irritant. | Carcinogen. Mutagen. | Ban Candidate | O-2 |
| Ammonium Bifluoride | Corrosive. Toxic by ingestion. Targets brain, bones, kidneys and heart. Reacts with water to form poisonous hydrofluoric acid. | Chronic exposure to fluorine can damage bones, joints & teeth | Ban Candidate | I-2 |
| Ammonium Metavanadate | P-List. Extremely hazardous. Poison by ingestion & inhalation. Slightly toxic by skin contact. | No confirmed human disease-related or reproductive hazard data reported | Ban Candidate | I-8 |
| Ammonium Nitrite | Explosive. Oxidizer. | No confirmed human disease-related or reproductive hazard data reported | Ban Candidate | I-3 |
| Ammonium Perchlorate | Explosive. Oxidizer. Slightly toxic by ingestion. | No confirmed human disease-related or reproductive hazard data reported | Ban Candidate | I-6 |
| Ammonium Polysulfide | Corrosive. Toxic by ingestion, skin contact. Reacts with acids to form poisonous and flammable Hydrogen Sulfide gas. | No confirmed human disease-related or reproductive hazard data reported | Ban Candidate | I-5 |
| Ammonium Sulfide | Flammable. Corrosive. Toxic by ingestion & skin contact. Reacts with acids to form poisonous and flammable Hydrogen Sulfide gas. | No confirmed human disease-related or reproductive hazard data reported | Ban Candidate | I-5 |
| Anasol | Corrosive. Oxidizer. Toxic by ingestion. | Carcinogen | Ban Candidate | I-8 Acid Cabinet |
| Anhydrous Ammonia | Corrosive. Poison gas. Drug precursor. Theft risk. | No chronic health effects have been documented from low level exposures. | Ban Candidate | Gas - Poison |
| Aniline | Combustible. Toxic by skin contact & ingestion. Irritant. | Anemia. Cyanosis. Kidney, liver and bone marrow damage. | Ban Candidate | O-2 |
| Aniline Acetate | Corrosive. Toxic by skin contact & ingestion. | Anemia. Cyanosis. Kidney, liver and bone marrow damage. | Ban Candidate | O-1 |
| Aniline Hydrochloride | Slightly toxic by ingestion. Irritant. | Teratogen. Mutagen. | Ban Candidate | O-2 |

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| Anthracene | Irritant. No acute toxicity data reported. | Carcinogen. Sensitizer. Reported toxic to blood, kidneys, lungs, mucosa. | Ban Candidate | O-3 |
| Antimony - Powder | Flammable solid. Toxic by inhalation. | Inhalation of dust reported toxic to blood, kidneys, lungs, the nervous system, liver, mucous membranes | Ban Candidate | I-1 |
| Antimony Trichloride | Corrosive. Slightly toxic by ingestion. Reacts with water to form corrosive hydrogen chloride gas. | Affects liver and heart function. | Ban Candidate | I-2 |
| Arsenic - Metal Lump | Slightly toxic by ingestion | Carcinogen. Teratogen. Reported toxic to kidneys, lungs, the nervous system, mucous membranes. | Ban Candidate | I-1 |
| Arsenic - Powder | Flammable solid. Slightly toxic by ingestion. | Carcinogen. Teratogen. Reported toxic to kidneys, lungs, the nervous system, mucous membranes. | Ban Candidate | I-1 |
| Arsenic Trioxide | P-listed. Extremely hazardous. Poison by ingestion. | Carcinogen. Teratogen. Reported toxic to kidneys, lungs, the nervous system, mucous membranes. | Ban Candidate | I-4 |
| Arsine | Poison by inhalation. Pyrophoric. Flammable gas. Extremely hazardous. | Carcinogen. Toxic to blood, kidneys, liver, heart, nervous system. | Ban Candidate | Poison Gas |
| Asbestos | No acute toxicity data reported | Carcinogen | Ban Candidate | I-1 |
| Barium - Metal Lump | Water reactive. Releases toxic gas if acidified. | No confirmed human disease-related or reproductive hazard data reported | Ban Candidate | I-1 |
| Barium - Powder | Water reactive. Flammable solid. Releases toxic gas if acidified. | No confirmed human disease-related or reproductive hazard data reported | Ban Candidate | I-1 |
| Barium Chlorate | Oxidizer. Irritant. Like other soluble barium compounds, this is assumed to be toxic by ingestion. | No confirmed human disease-related or reproductive hazard data reported. | Ban Candidate | I-6 |
| Barium Chromate | Oxidizer. No acute toxicity data reported. Reported toxic to blood, kidneys, lungs, the nervous system, liver, mucous membranes by ingestion & skin contact. | Carcinogen | Ban Candidate | I-8 |

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| Benzalkonium Chloride | Toxic by ingestion. Corrosive to skin, lungs and eye tissue. Skin contact or inhalation of vapor by asthma sufferers has caused anaphylactic shock. | Sensitizer. Asthmagen. Dermatitis. | Ban Candidate | O-2 |
| Benzene | Flammable. Slightly toxic by inhalation, skin contact and ingestion. | Carcinogen | Ban Candidate | O-3 Flam Cabinet |
| Benzidine | Toxic by ingestion | Carcinogen. Mutagen. | Ban Candidate | O-2 |
| Benzoyl Chloride | Combustible. Corrosive. Slightly toxic by ingestion. May liberate toxic and corrosive gas in contact with water. | Carcinogen | Ban Candidate | O-4 Flam Cabinet |
| Benzoyl Peroxide | Explosive. Flammable solid. Oxidizer. Multiple incompatibilities. Store separately in secondary container away from light in a cool place. | No confirmed human disease-related or reproductive hazard data reported | Ban Candidate | O-6 |
| Beryllium - Powder | Flammable solid. P-listed. Extremely hazardous. Reported poison by inhalation & ingestion with LD50s for beryllium compounds of 0.5 to 5 mg/kg | Carcinogen. Sensitizer. | Ban Candidate | I-1 |
| Beryllium Hydroxide | Reported poison by inhalation & ingestion with LD50s for beryllium compounds of 0.5 to 5 mg/kg | Carcinogen. Sensitizer. | Ban Candidate | I-4 |
| Beryllium Oxide | Reported poison by inhalation & ingestion with LD50s for beryllium compounds of 0.5 to 5 mg/kg | Carcinogen. Teratogen. | Ban Candidate | I-4 |
| Beryllium Sulfate | Poison by ingestion. Reported poison by inhalation & ingestion with LD50s for beryllium compounds of 0.5 to 5 mg/kg | Carcinogen | Ban Candidate | I-2 |
| Boron Trichloride | Poison gas. Corrosive gas. Water reactive. Extremely hazardous. | No confirmed human disease-related or reproductive hazard data reported | Ban Candidate | Poison Gas |

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| Bouin's Fixative | Explosive when dry or in contact with metals. Corrosive. Toxic by ingestion. | Carcinogen. Teratogen. Sensitizer. | Ban Candidate | O-1 |
| Bromoethane | Flammable. Reacts with water to release toxic bromine fumes. Slightly toxic by ingestion. Irritant. | Carcinogen. Inhalation of vapors can cause pulmonary edema. Linked to liver and kidney disease. | Ban Candidate | O-4 Flam Cabinet |
| Butadiene | Explosive. Peroxide forming compound. Flammable gas. Poison by inhalation. | Carcinogen. Teratogen. | Ban Candidate | Poison Gas |
| Cadmium - Powder | Flammable solid. Poison by inhalation. Toxic by ingestion. | Carcinogen. Teratogen. | Ban Candidate | I-1 |
| Cadmium Acetate | Toxic by ingestion. | Carcinogen. | Ban Candidate | I-2 |
| Cadmium Chloride - Anhydrous | Toxic by ingestion. Suspected to be poisonous by inhalation. | Carcinogen. Teratogen. | Ban Candidate | I-2 |
| Cadmium Chloride - Pentahydrate | Toxic by ingestion. Suspected to be poisonous by inhalation. | Carcinogen. Teratogen. | Ban Candidate | I-2 |
| Cadmium Iodide | Slightly toxic by ingestion. | Carcinogen | Ban Candidate | I-2 |
| Cadmium Nitrate - Anhydrous | Oxidizer. Toxic by ingestion. Suspected to be toxic by inhalation. | Carcinogen. Teratogen. | Ban Candidate | I-3 |
| Cadmium Nitrate - Tetrahydrate | Oxidizer. Toxic by ingestion. Suspected to be toxic by inhalation. | Carcinogen. Teratogen. | Ban Candidate | I-3 |
| Cadmium Oxide | Toxic by ingestion. Poison by inhalation. | Carcinogen. Teratogen. | Ban Candidate | I-4 |
| Cadmium Sulfate - Anhydrous | Toxic by ingestion | Carcinogen. Teratogen. | Ban Candidate | I-2 |
| Cadmium Sulfate - Octahydrate | Toxic by ingestion | Carcinogen. Teratogen. | Ban Candidate | I-2 |
| Calcium - Powder | Water reactive. Pyrophoric in moist air. Flammable solid. | No confirmed human disease-related or reproductive hazard data reported | Ban Candidate | I-1 |
| Calcium Cyanide | P-Listed. Extremely hazardous. Poison by ingestion. Reacts with acids to form poisonous cyanide gas. | Deafness. Vision problems. Thyroid impairment. | Ban Candidate | I-7 |

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| Calcium Phosphide | Reacts with water to release phosphine gas, which spontaneously ignites in air and is toxic by inhalation. | Anemia. Bronchitis. | Ban Candidate | I-5 |
| Carbon Disulfide | Flammable. P-Listed. Extremely hazardous. Slightly toxic by inhalation & ingestion. Reacts with acids to form poisonous and flammable Hydrogen Sulfide gas. | Teratogen | Ban Candidate | I-5 Flam Cabinet |
| Carbon Monoxide | Poison gas. Flammable gas. | Poison gas. Flammable gas. | Ban Candidate | Poison Gas |
| Carbon Tetrachloride | Slightly toxic by ingestion & skin contact. | Carcinogen. Teratogen. | Ban Candidate | O-4 |
| Carbonyl Sulfide | Poison gas. Flammable gas. Irritant. | Poison gas. Flammable gas. | Ban Candidate | Poison Gas |
| Carnoy's Fixative | Flammable. Corrosive. Slightly toxic by ingestion & inhalation. | Carcinogen | Ban Candidate | O-4 Flam Cabinet |
| Catechol | Toxic by skin contact & ingestion. | Mutagen. Sensitizer. | Ban Candidate | O-8 |
| Cesium 133 | Reacts with water explosively. Spontaneously ignites in moist air. Incandescent reaction with non-metals like sulfur. Violent reaction with oxidizers, acids and halogens. | No confirmed human disease-related or reproductive hazard data reported | Ban Candidate | I-1 |
| Chloral Hydrate | Toxic by ingestion. Controlled substance. Theft risk. | No confirmed human disease-related or reproductive hazard data reported | Ban Candidate | O-2 |
| Chloretone | Toxic by ingestion. Controlled substance. Theft risk. | Sedative | Ban Candidate | O-4 |
| Chlorine | Corrosive. Poison gas. Choking irritating vapors. Slightly toxic by inhalation. Numerous incompatibilities. | No confirmed human disease-related or reproductive hazard data reported | Ban Candidate. Purchase prediluted chlorine water instead. | Gas - Poison |
| Chlorine Trifluoride | One of the most reactive compounds known. Explodes on contact with water. Corrosive gas. Powerful oxidizer. Spontaneously ignites in air. | No confirmed human disease-related or reproductive hazard data reported | Ban Candidate | Gas - Poison |

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| Chloroethanol | Flammable. Poison by inhalation & skin contact. Toxic by ingestion. Reacts with water to produce corrosive fumes. | Teratogen | Ban Candidate | O-4 Flam Cabinet |
| Chloroform | Slightly toxic by ingestion & inhalation. Reacts with light to form poison phosgene gas. | Carcinogen | Ban Candidate | O-4 |
| Chlorophenol | Poison by inhalation. Toxic by skin contact. Slightly toxic by ingestion. | Reported to be toxic to kidneys, liver, lungs & central nervous system. | Ban Candidate | O-8 |
| Chloroprene | Explosion risk from peroxide formation. Flammable. Toxic by inhalation. Slightly toxic by skin contact and ingestion. | Anxiety. Irritability. Dermatitis. | Ban Candidate | O-4 Flam Cabinet |
| Chlorpromazine | Controlled substance. Theft risk. | No confirmed human disease-related or reproductive hazard data reported | Ban Candidate | O-2 |
| Chlorosulfonic Acid | Water reactive. Corrosive. Toxic by inhalation & ingestion. | Erosion of teeth. Chronic lung impairment. | Ban Candidate | O-1 |
| Cobalt - Powder | Flammable solid. pyrophoric. Inhalation linked to lung damage. | Carcinogen | Ban Candidate | I-1 |
| Colchicine | Poison by ingestion. Irritant. | Teratogen. Mutagen. | Ban Candidate | O-2 |
| Collodion | Explosive when dry. Flammable. | No confirmed human disease-related or reproductive hazard data reported | Ban Candidate | O-4 Flam Cabinet |
| Cresol | Corrosive. Toxic by skin contact. Slightly toxic by ingestion. | Reported to cause lung damage, liver damage, pancreas damage, kidney damage | Ban Candidate | O-1 Flam Cabinet |
| Cumene | Explosion risk from peroxide formation. Flammable. Slightly toxic by ingestion and skin contact. | No confirmed human disease-related or reproductive hazard data reported | Ban Candidate | O-4 Flam Cabinet |
| Cupric Cyanide | P-Listed. Extremely hazardous. Toxic by ingestion. Reacts with acids to form poisonous cyanide gas. | Deafness. Vision problems. Thyroid impairment. | Ban Candidate | I-7 |
| Cuprous Cyanide | P-Listed. Extremely hazardous. Toxic by ingestion. Reacts with acids to form poisonous cyanide gas. | Deafness. Vision problems. Thyroid impairment. | Ban Candidate | I-7 |

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| Cyanogen Bromide | Corrosive. Poison by inhalation. Reacts with acids to form poisonous cyanide gas. | No confirmed human disease-related or reproductive hazard data reported | Ban Candidate | O-4 |
| Dibromo-3-chloropropane, 1,2- | Toxic by skin contact. Reported toxic by ingestion & inhalation. Irritant. | Carcinogen. Mutagen. Linked to sterility in male farm workers. | Ban Candidate | O-3 |
| Dichlorobenzidine | No acute toxicity data reported | Carcinogen. Mutagen. | Ban Candidate | O-2 |
| Dichlorophenoxy Acetic Acid | Toxic by ingestion and skin contact. Irritant. | Teratogen. Mutagen. | Ban Candidate | O-1 |
| Dimethyl Aniline | Combustible. Toxic by skin contact. Slightly toxic by ingestion. Irritant. | No confirmed human disease-related or reproductive hazard data reported | Ban Candidate | O-2 Flam Cabinet |
| Dimethylaminoazobenzene, 4- | Toxic by ingestion | Carcinogen. Mutagen. | Ban Candidate | O-2 |
| Dinitrophenol | Explosive. P-listed. Extremely hazardous. Poison by ingestion. Irritant. | No confirmed human disease-related or reproductive hazard data reported | Ban Candidate | O-8 |
| Dinitrophenyl Hydrazine | Explosive. Slightly toxic by ingestion. Irritant. | No confirmed human disease-related or reproductive hazard data reported | Ban Candidate | O-4 |
| Dioxane | Explosion risk from peroxide formation. Flammable. Slightly toxic by skin contact. Inhalation toxicity documented in humans. | Carcinogen. Teratogen. | Ban Candidate | O-4 Flam Cabinet |
| Estrone | No acute toxicity data reported | Mutagen. Steroid. Carcinogen. | Ban Candidate | O-4 |
| Ethanolamine | Combustible. Toxic by skin contact. Slightly toxic by ingestion. Irritant. Corrosive base that reacts violently with acids. | Mutagen. Dermatitis. | Ban Candidate | O-2 |
| Ethyl Chloride | Flammable gas. Reacts with water to produce corrosive, toxic fumes. Slightly toxic by inhalation. | Reported toxic to blood, kidneys, lungs, the nervous system, liver, mucous membranes | Ban Candidate | O-4 Flam Cabinet |
| Ethyl Ether | Explosion risk from peroxide formation. Flammable. Slightly toxic by ingestion. Irritant. | No confirmed human disease-related or reproductive hazard data reported | Ban Candidate | O-4 Flam Cabinet |
| Ethyl Iodide | Reacts with water to produce corrosive, toxic fumes. Combustible. Slightly toxic by inhalation. Irritant. | Can effect nervous system & muscular motor control. | Ban Candidate | O-4 Flam Cabinet |

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| Ethyl Nitrate | Explosive. Flammable. Oxidizer. | No confirmed human disease-related or reproductive hazard data reported | Ban Candidate | O-3 Explosive |
| Ethylene Oxide | Flammable gas. Toxic by ingestion. Convulsive when inhaled. Irritant | Carcinogen. Teratogen. | Ban Candidate | Gas - Flammable |
| Ethylenediamine | Flammable. Corrosive. Toxic by inhalation and ingestion. Sensitizer. Reported to be toxic by skin contact. | Reported to cause lung, liver & kidney damage | Ban Candidate | O-3 Flam Cabinet |
| Ethyleneimine | Flammable. Corrosive to eye tissue. P-listed. Extremely hazardous. Poison by inhalation , skin contact and ingestion. Irritant. | Mutagen. Sensitizer. Sensitizer. | Ban Candidate | O-2 Flam Cabinet |
| Europium - Metal Lump | Spontaneously ignites in air or in contact with water. | Lump is low toxicity. Due to reactivity, chronic exposure opportunities are limited. | Ban Candidate | I-1 |
| Formaldehyde | Combustible. Toxic by ingestion & skin contact. Irritant. | Carcinogen. Teratogen. Mutagen. Severe sensitizer. | Ban Candidate | O-3 |
| Gilson's Fixative | Corrosive. Toxic by ingestion. Contains mercuric chloride. Mercury compounds are banned from Washington schools. | No confirmed human disease-related or reproductive hazard data reported | Ban Candidate | O-2 Flam Cabinet |
| Glyoxal | Pyrophoric. Water reactive. Corrosive. Slightly toxic by skin contact. | No confirmed human disease-related or reproductive hazard data reported | Ban Candidate | O-3 |
| Hayem Diluting Fluid | Mercury compound. Slightly toxic by ingestion. | No confirmed human disease-related or reproductive hazard data reported | Ban Candidate | I-2 |
| Hexane-based Aerosol | Flammable. Irritant. Low toxicity by ingestion. | Teratogen. Neurotoxin. Causes peripheral neuropathy by inhalation & skin contact | Ban Candidate | O-3 Flam Cabinet |
| Hydrazine | Flammable. Corrosive. Poison by skin contact. Explosive reaction with oxidizers. | Carcinogen. Teratogen. Mutagen. Sensitizer. | Ban Candidate | O-2 Flam Cabinet |
| Hydrazine Sulfate | Slightly toxic by ingestion. Irritant. | Carcinogen. Mutagen. Teratogen. | Ban Candidate | O-2 |
| Hydrofluoric Acid | Corrosive. Poison by inhalation, ingestion & skin contact. Dissolves glass containers. | Chronic exposure to fluorine can damage bones, joints & teeth | Ban Candidate | I-9 Acid Cabinet |

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| Hydrogen Bromide | Corrosive gas. Exposure to 1000 - 2000 ppm in air is reported as fatal within a few minutes. | Pulmonary edema and pneumonitis | Ban Candidate | Poison Gas |
| Hydrogen Chloride | Corrosive gas. Exposure to 1000 - 2000 ppm in air is reported as fatal within a few minutes. | Pulmonary edema and pneumonitis | Ban Candidate | Poison Gas |
| Hydrogen Peroxide (>31%) | Corrosive. Oxidizer. Toxic by inhalation. Slightly toxic by skin contact. | No confirmed human disease-related or reproductive hazard data reported | Ban Candidate | I-6 |
| Hydrogen Sulfide Gas | Flammable gas. Poison gas. Irritant. | No confirmed human disease-related or reproductive hazard data reported | Ban Candidate | Gas - Poison |
| Immersion Oil - Containing PCBs | Slightly toxic by ingestion | Carcinogen | Ban Candidate | O-2 |
| Isopropyl Ether | Explosion risk from peroxide formation. Flammable. | No confirmed human disease-related or reproductive hazard data reported | Ban Candidate | O-4 Flam Cabinet |
| Lanthanum - Metal Lump | Water reactive. Powder is air reactive. Flammable solid. Irritant. | No chronic effects are documented. | Ban Candidate | I-1 |
| Lauroyl Peroxide | Organic peroxide. Corrosive. Oxidizer. Flammable solid. | No confirmed human disease-related or reproductive hazard data reported | Ban Candidate | O-6 |
| Lead - Powder | Flammable solid. Toxic by ingestion & inhalation. | Neurotoxin by chronic ingestion & inhalation, especially to children | Ban Candidate | I-1 |
| Lead Arsenate | Slightly toxic by ingestion | Carcinogen | Ban Candidate | I-7 |
| Lead Chromate | No acute toxicity data reported. Assumed toxic by ingestion. Very slightly soluble in cold water. | Neurotoxin by chronic ingestion & inhalation, especially to children | Ban Candidate | I-8 |
| Lead Citrate | Reported toxic by ingestion. | Neurotoxin by ingestion. | Ban Candidate | I-2 |
| Lithium - Powder | Pyrophoric. Water reactive. Once burning, can explode in contact with materials in most fire extinguishers. | No confirmed human disease-related or reproductive hazard data reported | Ban Candidate | I-1 |
| Manganese - Powder | Water reactive. Flammable solid. Irritant. No acute toxicity data reported. | Chronic exposure by inhalation can cause neurological damage similar to Parkinson's disease. Teratogen. | Ban Candidate | I-1 |
| Mercaptoethanol | Combustible. Corrosive. Poison by skin contact. Toxic by ingestion. | Mutagen | Ban Candidate | O-2 Flam Cabinet |

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| Mercuric Bichloride | Poison by ingestion. Toxic by skin contact. Mercury compounds are banned from Washington schools. | Teratogen. Mutagen. | Ban Candidate | I-2 |
| Mercuric Chloride | Poison by ingestion. Toxic by skin contact. Mercury compounds are banned from Washington schools. | Teratogen. Mutagen. | Ban Candidate | I-2 |
| Mercuric Iodide | Poison by ingestion. Irritant. Mercury compounds are banned from Washington schools. | Teratogen. Mutagen. | Ban Candidate | I-2 |
| Mercuric Nitrate - Hydrate | Oxidizer. Poison by ingestion. Mercury compounds are banned from Washington schools. | Teratogen. Mutagen. | Ban Candidate | I-3 |
| Mercuric Oxide | Oxidizer. Poison by ingestion. Mercury compounds are banned from Washington schools. | Toxic to the central nervous system & kidneys. Sensitizer. Related compounds are teratogens. | Ban Candidate | I-4 |
| Mercuric Oxycyanide | Shock, heat and friction-sensitive explosive. Poison by ingestion. Mercury compounds are banned in Washington State. | Probable teratogen and mutagen based on data for other Mercury compounds. | Ban Candidate | I-7 |
| Mercuric Sulfate | Toxic by ingestion. Slightly toxic by skin contact. Mercury compounds are banned from Washington schools. | Teratogen. Mutagen. | Ban Candidate | I-2 |
| Mercuric Sulfide | Reacts with acids to form poisonous and flammable Hydrogen Sulfide gas. No acute toxicity data due to insolubility. Mercury compounds are banned from Washington schools. | Considered toxic to the central nervous system & kidneys. Sensitizer. Related compounds are teratogens. | Ban Candidate | I-5 |
| Mercurochrome | No acute toxicity data. Mercury compounds are banned from Washington schools. Reported to be harmful via inhalation, ingestion & skin contact. | Anemia | Ban Candidate | O-2 |

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| Mercurous Chloride | Toxic by ingestion. Mercury compounds are banned from Washington schools. | Teratogen. Mutagen. | Ban Candidate | I-2 |
| Mercurous Nitrate - Anhydrous | Oxidizer. Toxic by ingestion. Mercury compounds are banned from Washington schools. | Teratogen. Mutagen. | Ban Candidate | I-3 |
| Mercurous Nitrate - Hydrate | Oxidizer. Toxic by ingestion. Mercury compounds are banned from Washington schools. | Teratogen. Mutagen. | Ban Candidate | I-3 |
| Mercurous Sulfate | Toxic by ingestion. Slightly toxic by skin contact. Mercury compounds are banned from Washington schools. | Teratogen. Mutagen. | Ban Candidate | I-2 |
| Mercury Thermometers | Corrosive. No acute toxicity data. Reported toxic by ingestion and inhalation. Mercury thermometers are banned from Washington schools. | Mutagen. Neurotoxin by chronic inhalation of vapors, especially to children. | Ban Candidate | I-1 Separate |
| Methoxyethanol | Flammable. Toxic by skin contact. Slightly toxic by ingestion. Irritant. | Teratogen | Ban Candidate | O-2 Flam Cabinet |
| Methyl Bromide | Corrosive gas. Toxic by ingestion. Reported to be toxic by inhalation. | Heart arrhythmia. Central nervous system, lung, liver & kidney damage. | Ban Candidate | Poison Gas |
| Methyl Chloromethyl Ether | Flammable. Toxic by ingestion. Slightly toxic by skin contact. | Carcinogen | Ban Candidate | O-4 Flam Cabinet |
| Methyl Ethyl Ketone Peroxide | Shock sensitive explosive when concentrated. Organic peroxide. Ignites in contact with oxidizers and flammable materials. Toxic by ingestion. Inhalation of vapors corrodes mucous membranes. Severe irritant. | No confirmed human disease-related or reproductive hazard data reported. | Ban candidate | O-6 |
| Methyl Iodide | Poison by inhalation. Lachrymator. | Carcinogen | Ban Candidate | O-4 Flam Cabinet |
| Methyl Isobutyl Ketone | Explosion risk from peroxide formation. Flammable. Slightly toxic by ingestion. Reported slightly toxic by inhalation. | Teratogen | Ban Candidate | O-4 Flam Cabinet |

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| Methyl Isocyanate | Water Reactive. Flammable. Toxic by inhalation & skin contact. Severe irritant. | Blindness. Lung damage & emphysema. Sensitizer. Teratogen. | Ban Candidate | O-5 Flam Cabinet |
| Methyl Mercaptan | Flammable gas. Water reactive. Reacts with many metals. Irritant. No acute toxicity data reported. Reported toxic by inhalation. | Chemical pneumonitis | Ban Candidate | Poison Gas |
| Methyl Tert-Butyl Ether | Flammable. Slightly toxic by ingestion. Reported slightly toxic by inhalation. | No confirmed human disease-related or reproductive hazard data reported | Ban Candidate | O-3 Flam Cabinet |
| Methylamine | Flammable. Corrosive. Poison by inhalation. Intense stench. | No confirmed human disease-related or reproductive hazard data reported | Ban Candidate | O-2 Flam Cabinet |
| Millon's Reagent | Corrosive. Oxidizer. Toxic by ingestion. Slightly toxic by inhalation & skin contact. Mercury compounds are banned from Washington Schools. | Teratogen | Ban Candidate | I-9 Acid Cabinet |
| Naphthylamine | Combustible. Slightly toxic by ingestion. Readily absorbs through skin or lungs | Carcinogen (directly linked to bladder cancer) | Ban Candidate | O-2 Flam Cabinet |
| Nessler's Reagent | Corrosive. Poison by ingestion. Mercury compounds are banned from Washington schools. | Teratogen | Ban Candidate | I-4 |
| Nicotine | Combustible. P-Listed Extremely Hazardous. Poison by ingestion & skin contact. | Teratogen | Ban Candidate | O-2 |
| Nitrobenzene | Combustible. Reported to be poison by inhalation or ingestion with lethal dose of 1 to 5 grams. Slightly toxic by skin contact. Ingestion causes severe anemia. | Carcinogen. Teratogen. Chronic exposure may damage nerves, liver, spleen, kidneys & bone marrow. Anemia. | Ban Candidate | O-3 Flam Cabinet |
| Nitroglycerin | High explosive. Highly unstable! | No confirmed human disease-related or reproductive hazard data reported | Ban Candidate | O-2 Explosive |
| Nitrosodimethylamine, N- | Combustible. Toxic by ingestion. Slightly toxic by inhalation. | Carcinogen. Teratogen. Mutagen. | Ban Candidate | O-2 Flam Cabinet |

BANNED CHEMICAL LIST

| <u>Chemical Name</u> | <u>Acute Exposure Hazard</u> | <u>Chronic Exposure Hazard</u> | <u>Lowest Grade Level Allowed</u> | <u>Storage Category</u> |
|-----------------------------|--|---|--|--------------------------------|
| Osmium Tetroxide | Corrosive. P-Listed Extremely Hazardous. Solid sublimates to poison vapor that can readily penetrate plastic. Poison by inhalation (pulmonary edema with delayed reaction) & ingestion. Lachrymator. | Reported to have mutagenic properties. | Ban Candidate | I-4 |
| Paraformaldehyde | Slightly toxic by ingestion and skin contact. Inhalation reported to be poisonous & cause bronchopneumonia. Irritant. | Sensitizer. Dermatitis. Kidney damage from prolonged exposure. | Ban Candidate | O-3 |
| Paraldehyde | Flammable. Irritant. Slightly toxic by ingestion and skin contact. Controlled substance. Theft risk. | No confirmed human disease-related or reproductive hazard data reported | Ban Candidate | O-3 Flam Cabinet |
| Paris Green | Poison by ingestion. Arsenic compound. | Carcinogen | Ban Candidate | O-9 |
| Pentachlorophenol | Poison by ingestion. Toxic by skin contact. Irritant. Reported poisonous by inhalation. | Carcinogen | Ban Candidate | O-8 |
| Perchloric Acid | Corrosive. Oxidizer. Slightly toxic by ingestion and skin contact. Explosion risk from contact with metals. | Erosion of teeth. Chronic lung impairment. | Ban Candidate | I-9 Acid Cabinet |
| Phenylarsine Oxide - Solid | Corrosive to skin and eyes. Arsenic compound. Reported to be toxic by ingestion, skin contact and inhalation. | No confirmed human disease-related or reproductive hazard data reported | Ban Candidate | O-4 |
| Phenylthiocarbamide | Poison by ingestion | No confirmed human disease-related or reproductive hazard data reported | Ban Candidate | O-2 |
| Phosphorus - Red | Flammable solid. Poison by ingestion and inhalation. Drug precursor. Theft risk. | Causes deterioration of the jaw ("phossy jaw"). | Ban Candidate | I-10 Flam Cabinet |

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| <u>Chemical Name</u> | <u>Acute Exposure Hazard</u> | <u>Chronic Exposure Hazard</u> | <u>Lowest Grade Level Allowed</u> | <u>Storage Category</u> |
|-----------------------------|--|--|--|--------------------------------|
| Phosphorus - White | Pyrophoric. Combustible. Poison by ingestion and inhalation. More reactive than Red Phosphorus. Drug precursor. Theft risk. | Causes deterioration of the jaw ("phossy jaw"). | Ban Candidate | I-10 Flam Cabinet |
| Phosphorus - Yellow | Pyrophoric. Combustible. Poison by ingestion and inhalation. More reactive than Red Phosphorus. Drug precursor. Theft risk. | Causes deterioration of the jaw ("phossy jaw"). | Ban Candidate | I-10 Flam Cabinet |
| Phosphorus Pentasulfide | Water Reactive. Pyrophoric. Reacts to form poisonous Hydrogen Sulfide gas. Toxic by ingestion. | No confirmed human disease-related or reproductive hazard data reported | Ban Candidate | I-5 |
| Phosphorus Pentoxide | Water reactive. Corrosive. Poison by inhalation. | No confirmed human disease-related or reproductive hazard data reported | Ban Candidate | I-4 |
| Phosphorus Trichloride | Corrosive. Water reactive creating flammable gases. Oxidizer. Poison by ingestion. Slightly toxic by inhalation. | Liver & kidney damage. Jaw, tooth & blood disorders. | Ban Candidate | I-2 |
| Physostigmine | P-listed. Extremely hazardous. Poison by ingestion. | No confirmed human disease-related or reproductive hazard data reported | Ban Candidate | O-2 |
| Picric Acid | Flammable solid. Explosive when dry. Explosive crystals form in contact with metals. Toxic by ingestion. Sensitizer. Irritant. | No confirmed human disease-related or reproductive hazard data reported | Ban Candidate | O-1 |
| Potassium - Chunks | Explosion risk from peroxide formation (colored crystals). Water reactive. Flammable solid. Corrosive. Pyrophoric (moisture). | No confirmed human disease-related or reproductive hazard data reported | Ban Candidate | I-1 |
| Potassium Cyanide | P-Listed. Extremely hazardous. Poison by ingestion. Reacts with acids to form poisonous cyanide gas. | Deafness. Vision problems. Thyroid impairment. | Ban Candidate | I-7 |
| Potassium Peroxide | Water reactive. Pyrophoric. Oxidizer. | No confirmed human disease-related or reproductive hazard data reported | Ban Candidate | I-6 |
| Praseodymium - Metal Lump | Water reactive. No acute toxicity data available. | Delayed blood clotting which could lead to hemorrhaging in the event of a clot | Ban Candidate | I-1 |

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| <u>Chemical Name</u> | <u>Acute Exposure Hazard</u> | <u>Chronic Exposure Hazard</u> | <u>Lowest Grade Level Allowed</u> | <u>Storage Category</u> |
|-----------------------------|---|--|--|--------------------------------|
| Promethium - Metal Lump | Radioactive. Poison by exposure. | Carcinogen. | Ban candidate | I-1 Radioactive |
| Pyridine | Flammable. Toxic by ingestion, inhalation, skin contact (easily absorbed). Irritant. | Liver & kidney damage | Ban Candidate | O-2 Flam Cabinet |
| Radium - Metal Lump | Radioactive. | Carcinogen. | Ban candidate | I-1 Radioactive |
| Rubidium - Metal Lump | Explosive reaction with water and via peroxide formation. Unstable compound that will degrade in contact with moist air, releasing flammable hydrogen gas. Corrosive. | No confirmed human disease-related or reproductive hazard data reported | Ban Candidate | I-1 |
| Selenium - Metal Lump | Toxic by inhalation (pulmonary edema, pneumonia) | ALS-type symptoms. Liver damage. | Ban Candidate | I-1 |
| Selenium - Powder | Toxic by inhalation (pulmonary edema, pneumonia) | ALS-type symptoms. Liver damage. | Ban Candidate | I-1 |
| Silicon Tetrafluoride | Corrosive gas. Reported toxic by inhalation. Hydrolyzes rapidly to hydrofluoric acid on contact with moisture. | Chemical pneumonitis. Chronic exposure to fluorine can damage bones, joints & teeth. | Ban Candidate | Poison Gas |
| Silver Cyanide | P-Listed. Extremely hazardous. Toxic by ingestion. Reacts with acids to form poisonous cyanide gas. | Deafness. Vision problems. Thyroid impairment. | Ban Candidate | I-7 |
| Sodium - Chunks | Water reactive. Flammable solid. Corrosive. Pyrophoric when heated. | No confirmed human disease-related or reproductive hazard data reported | Ban Candidate | I-1 |
| Sodium Arsenate | Poison by ingestion | Carcinogen | Ban Candidate | I-7 |
| Sodium Arsenite | Poison by ingestion | Carcinogen. Mutagen. | Ban Candidate | I-7 |
| Sodium Azide | P-Listed. Extremely hazardous. Poison by ingestion and skin contact. Explosive reaction w/ metals. | No confirmed human disease-related or reproductive hazard data reported | Ban Candidate | I-3 |
| Sodium Borohydride | Water reactive. Corrosive. Flammable solid. Toxic by ingestion. Irritant. Reported to be poison by inhalation. Drug precursor. Theft risk. | Chronic respiratory irritation. Dermatitis. | Ban Candidate | I-1 |

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| <u>Chemical Name</u> | <u>Acute Exposure Hazard</u> | <u>Chronic Exposure Hazard</u> | <u>Lowest Grade Level Allowed</u> | <u>Storage Category</u> |
|-----------------------------|--|---|--|--------------------------------|
| Sodium Cyanide | P-Listed. Extremely hazardous. Poison by ingestion. Reported poisonous by contact with broken skin. Reacts with acids to form poisonous cyanide gas. | Deafness. Vision problems. Thyroid impairment. | Ban Candidate | I-7 |
| Sodium Dithionite | Flammable solid. Water reactive. Toxic by ingestion and inhalation. Irritant. | Sensitizer | Ban Candidate | I-2 |
| Sodium Fluoroacetate | Poison by ingestion. Reported poison by skin contact & inhalation. Use is banned in many countries including the U.S. | Teratogen. Mottled teeth. Brittle bones. | Ban Candidate | I-2 |
| Sodium Nitroferrocyanide | Poison. May be fatal if inhaled, ingested or absorbed through skin. Reacts with acids to form poisonous cyanide gas. | Deafness. Vision problems. Thyroid impairment. | Ban Candidate | I-7 |
| Strychnine | Poison by ingestion. Sensitizer. Convulsive. | No confirmed human disease-related or reproductive hazard data reported | Ban Candidate | O-2 |
| Sulfur Dioxide | Poison by inhalation Corrosive gas. | Mutagen | Ban Candidate | Gas - Poison |
| Testosterone | Controlled substance. Steroid. Theft risk. | Carcinogen. Mutagen. Teratogen. | Ban Candidate | O-4 |
| Testosterone Propionate | Controlled substance. Steroid. Theft risk. Slightly toxic by ingestion. | Carcinogen | Ban Candidate | O-4 |
| Tetrabromoethane | Poison by inhalation. Slightly toxic by ingestion & skin contact. | No confirmed human disease-related or reproductive hazard data reported | Ban Candidate | O-3 |
| Tetrafluoroethylene | Explosion risk from peroxide formation. Flammable liquified gas. | No confirmed human disease-related or reproductive hazard data reported | Ban Candidate | O-3 Flam Cabinet |
| Tetrahydrofuran | Explosion risk from peroxide formation. Flammable. Slightly toxic by inhalation and ingestion. Irritant. | Reports of injury to liver and kidneys from chronic exposure | Ban Candidate | O-4 Flam Cabinet |
| Thallium - Metal Lump | Poison by inhalation, ingestion and skin contact. | No confirmed human disease-related or reproductive hazard data reported | Ban Candidate | I-1 |
| Thimerosal | Toxic by ingestion. Mercury compounds are banned from Washington schools. | No confirmed human disease-related or reproductive hazard data reported | Ban Candidate | O-2 |

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| <u>Chemical Name</u> | <u>Acute Exposure Hazard</u> | <u>Chronic Exposure Hazard</u> | <u>Lowest Grade Level Allowed</u> | <u>Storage Category</u> |
|-----------------------------|--|---|--|--------------------------------|
| Thionyl Chloride | Corrosive. Water reactive. Toxic by inhalation. Lachrymator. | Pneumonitis. Dermatitis. | Ban Candidate | I-6 Acid Cabinet |
| Thorium Nitrate | Radioactive. Oxidizer. | No confirmed human disease-related or reproductive hazard data reported | Ban Candidate | I-3 Radioactive |
| Thorium Oxide | Radioactive | Carcinogen causing liver and kidney tumors. | Ban Candidate | I-1 Radioactive |
| Titanium Tetrachloride | Water reactive. Corrosive. Poison by inhalation. | Permanent lung scarring | Ban Candidate | I-2 |
| Titanium Trichloride | Pyrophoric. Water reactive. Corrosive. Reacts with water to release corrosive hydrogen chloride fumes. | No confirmed human disease-related or reproductive hazard data reported | Ban Candidate | I-2 |
| Tollen's Reagent | Explosion risk. Reagent must be freshly prepared and never stored for more than 2 hours. Acidify immediately within 2 hours of preparation or it will form explosive silver fulminate. | No confirmed human disease-related or reproductive hazard data reported | Ban Candidate | I-3 |
| Trichloroethane | Slightly toxic by ingestion and inhalation. Irritant. | Dermatitis. Reported to affect the kidneys and liver. | Ban Candidate | O-4 |
| Trichloroethylene | Slightly toxic by inhalation | Carcinogen. Mutagen. Liver, kidney, nervous system effects. | Ban Candidate | O-4 |
| Trichlorotrifluoroethane | Irritant. No acute toxicity data reported | Ozone depleter | Ban Candidate | O-4 |
| Triethyl Phosphate | Cholinesterase inhibitor. Slightly toxic by ingestion. Irritant. | Uncontrollable twitching. Possible seizures. | Ban Candidate | O-5 |
| Trinitrobenzene | Explosive. Flammable solid. Toxic by ingestion. | No confirmed human disease-related or reproductive hazard data reported | Ban Candidate | O-3 Explosive |
| Trinitrotoluene | Explosive. Flammable Solid. | No confirmed human disease-related or reproductive hazard data reported | Ban Candidate | O-3 Explosive |
| Uranium | Radioactive. Pyrophoric. Flammable solid. Toxic by inhalation and ingestion. | No confirmed human disease-related or reproductive hazard data reported | Ban Candidate | I-1 Radioactive |
| Uranyl Acetate | Radioactive. Toxic by ingestion. | No confirmed human disease-related or reproductive hazard data reported | Ban Candidate | I-2 Radioactive |

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| <u>Chemical Name</u> | <u>Acute Exposure Hazard</u> | <u>Chronic Exposure Hazard</u> | <u>Lowest Grade Level Allowed</u> | <u>Storage Category</u> |
|-----------------------------|--|---|--|--------------------------------|
| Uranyl Nitrate | Radioactive. Corrosive. Oxidizer. | No confirmed human disease-related or reproductive hazard data reported | Ban Candidate | I-3 Radioactive |
| Vanadium - Metal Lump | No acute toxicity data reported. Slightly radioactive. Can be oxidized to Vanadium Pentoxide, a potent toxin via inhalation, ingestion or skin absorption. | No confirmed human disease-related or reproductive hazard data reported | Ban Candidate | I-1 |
| Vanadium Pentoxide | P-listed. Extremely hazardous. Poison by inhalation and ingestion. | No confirmed human disease-related or reproductive hazard data reported | Ban Candidate | I-4 |
| Vanadyl Trichloride | Reacts with water or moist air to form poisonous Vanadium Pentoxide and Hydrochloric Acid. Corrosive to skin, eyes and mucous membranes. Toxic by ingestion. | No confirmed human disease-related or reproductive hazard data reported | Ban Candidate | I-2 Acid Cabinet |
| Vinyl Chloride | Explosion risk from peroxide formation. Flammable. Severe irritant. Toxic by ingestion. | Carcinogen. Mutagen. Teratogen. | Ban Candidate | O-3 Flam Cabinet |
| Vinyl Ether | Explosion risk from peroxide formation. Flammable. No acute toxicity data reported. | Liver damage | Ban Candidate | O-4 Flam Cabinet |
| Zenker's Fixative | Poison by ingestion. Toxic by skin contact. Corrosive. Oxidizer. Mercury compounds are banned. | Carcinogen. Mutagen. Teratogen. | Ban Candidate | I-8 |