

Compound Name	DDC #	EPA #	Haz. Waste Empty?	Glove Selection	Notes/Incompatibilities (list only includes chemicals likely to be in the lab, for a complete list read the MSDS located in room 680) Warning! Listed chemicals require special training
4-Vinyl cyclohexene dioxide	05LO	None	Yes	Butyl or Neoprene	Toxic, irritant. Incompatibilities: oxidizers, acids, anhydrides.
ABS Cement		D001, D035, F003, F005	Yes	Butyl/Latex, Rubber	Contains acetone, methyl ethyl ketone and ABS resin. Flammable, irritant and toxic. Incompatibilities: oxidizing agents, alkalis, acids, hypochlorites, hydrogen peroxide.
Acetic Acid, Glacial	02LO	D001, D002		Rubber	Toxic, corrosive, combustible. Incompatibilities: nitric acid, oxidizers, metals, carbonates, ethylene glycol
Acetic Anhydride	02LO	D001, D002		Rubber	Combustible, lachrymator, corrosive. Incompatibilities: water!, acids, bases, moisture, alcohols, oxidizers
Acetone	08BS	U002, D001, F003		Butyl/Latex	Flammable, irritant. Incompatibilities: concentrated nitric and sulfuric acid, strong bases, oxidizers
Activated Charcoal	05NH	None		Nitrile	aka Vap-R guards, Haz. waste if contaminated
Alpha-cellulose				Nitrile	
Ammonium Chloride	18SI	MN01		Nitrile	Irritant, hygroscopic.
Ammonium Citrate, Dibasic	05SO	None	Yes	Nitrile	Incompatibilities: acetone, sulfuric acid.
Ammonium Paramolybdate	18SI	MN01		Nitrile	aka ammonium molybdate. Toxic, irritant. Incompatibilities: acids, strong oxidizers, alkali metals
Barium Chromate (50g)	16HM	D007, D005		Butyl	Toxic, carcinogen, irritant. Incompatibilities: reducing agents, oxidizers, combustible materials, organics
Calcium Carbonate	05NH	None		Nitrile	Incompatibilities: strong oxidizers, acids, magnesium, aluminum, silicon.
Calcium Chloride, anhydrate	05NH	None		Nitrile	Incompatibilities: water.
Canada Balsam				Nitrile	Incompatibilities: oxidizers, acids, bases.
Copper	18SI	MN01		Nitrile	Recycle. Incompatibilities: hydrogen peroxide, nitric acid, oxidizers.
DER736	05LO	None	Yes	Butyl	Diglycidyl ether of polypropylene glycol. Irritant, heritable genetic effects. Incompatibilities: oxidizers, acids, basis.
Dichloromethane	18BS	U080, F002		Nitrile	Toxic, carcinogenic, irritant, Warning! Incompatibilities: oxidizers, strong bases
Dimethyl Sulfoxide	05LO	None	Yes	Butyl/Nitrile	Teratogen, hygroscopic. Incompatibilities: sodium hydroxide, magnesium perchlorate, oxidizers
Dimethylaminoethanol	01LO	D001, D002		Butyl	Lachrymator, corrosive. Incompatibilities: strong acids, oxidizers.
Ethanol	08BS	D001		Nitrile	Flammable.
Ethylene Glycol	05BS	None	Yes	Nitrile	Irritant. Incompatibilities: strong acid/bases, oxidizers, potassium permanganate
Fuchsin				Nitrile	
Gelcarin (Carrageenan)	05SO	None	Yes	Nitrile	
Glycerol or Glycerin	05BS	None	Yes	Nitrile	Incompatibilities: strong bases; explosion risk with oxidizers, acids, potassium permanganate, hydrogen peroxide, acetic anhydride, chlorates, peroxides, nitric acid, sulfuric acid, hydrofluoric acid
Hydrochloric Acid, HCL 37%	02LI	D002		Nitrile	Toxic, Corrosive. Incompatibilities: water, bases, alkali metals, aluminum.
Hydrofluoric Acid, HF 48%	02HF	U134, D002		Rubber over Nitrile	Warning!, toxic, corrosive. Incompatibilities: Ammonia, sodium hydroxide, sulfuric acid, acetic anhydride, bases, carbonates, sulfides, metals (formation of H2), and silica, will react with water to form toxic fumes.
Hydrogen Peroxide	16LI	D001, D002, D003		Nitrile	Oxidizer, corrosive, shock sensitive. Incompatibilities: most metals or their salts, alcohols, acetone, organics, flammables.
Immersion Oils, various	05BS	None	Yes	Nitrile	
Iron (III) Chloride, anhydrous	02SI	MN01		Nitrile	Corrosive, aka Ferric Chloride, hygroscopic. Incompatibilities: strong oxidizing agents
Isopropanol	08BS	D001		Nitrile	Flammable, irritant, aka Isopropyl alcohol. Incompatibilities: strong oxidizers, strong acids, strong bases
Lithium Sodium Tungstate	05NH	None		Nitrile	aka LST Heavy Liquids
Magnesium Carbonate	05NH	None		Nitrile	
Magnesium Perchlorate	16SI	D001		Rubber	Warning!, shock sensitive, may ignite oxidizable materials. Incompatibilities: fire or explosion with water, acids, organics, reducing agents, carbon, alcohols, ethanol, metals, sulfuric acid.
Magnesium Sulfate	05NH	None		Rubber	Shock sensitive. Incompatibilities: alcohols, phosphorus
Manganese Dioxide	16SI	D001		Neoprene/Rubber	Irritant, shock sensitive. aka manganese peroxide. Incompatibilities: organics, combustible materials, reducing agents, acids oxidizers, chlorates, hydrogen peroxide, aluminum, heat, hydrochloric acid.
Manganese(III) Oxide	18 SI	MN01		Nitrile	Irritant. Incompatibilities: strong oxidizing agents.
Mercury Containing Labware	18HG	D009		Neoprene	for use with mercury thermometers
Methanol	08BS	U154, D001, F003		Neoprene/Rubber	Toxic, readily absorbed through skin, container may develop pressure, open carefully. Incompatibilities: oxidizers, sulfuric acid, acids, reducing agents, bases, metals, nitric acid, hydrogen peroxide
Metol Sulfite	05SO	MN01		Nitrile	Toxic, irritant, aka p-Methylaminophenol Sulfate. Incompatibilities: strong oxidizers

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Monoethanolamine	01LO	D002		Nitrile or Neoprene	Toxic, irritant, low flash point ~200 deg F, hygroscopic. Incompatibilities: oxidizing agents, acids
nitric acid, <30%	02NA	D001, D002		Nitrile	<30% HNO3 is more corrosive than %30-70% HNO3. Corrosive, reactive, oxidizer, toxic
nitric acid, 30%-70%	02NA	D001, D002		PVC/Vinyl	Incompatibilities: organic material, metal. Corrosive, reactive, oxidizer, Toxic
Nonenyl Succinic Anhydride	05LO	None	Yes	Butyl	Incompatibilities: strong oxidizers, strong bases.
Oxalic Acid, Dihydrate	02SO	MN01		Nitrile	aka Ammonium oxalate monohydrate. Toxic. Incompatibilities: bases, acid chlorides, silver, mercury
Petroleum Distillate	08BS	D001		Rubber, Neoprene	aka White Gas, Petroleum Naphtha
Phosphoric Acid	02SI	None	Yes	Nitrile	Corrosive. Incompatibilities: most metals, bases, reducing agents, chlorides, alcohols, sulfides, epoxides
Potassium Carbonate	05NH	None		Nitrile, Neoprene	aka potash, carbonic acid. Irritant
Potassium Chloride	05NH	None		Nitrile	Irritant. Incompatibilities: strong acids, strong oxidizers, sulfuric acid, potassium permanganate
Potassium Dichromate	16HM	D001, D007		Nitrile	Toxic, flammable. Incompatibilities: organics, reducing agents, acids, alcohols, acetone, oxidizers, oils, sulfuric acid, iron.
Potassium Hydroxide, solid	01SI	MN01		Nitrile	Corrosive, Toxic. Incompatibilities: acid, peroxides.
Potassium Hydroxide, solution	01LI	D002		Nitrile	Corrosive, Toxic. Incompatibilities: acid, peroxides.
Potassium Iodide	05NH	None		Nitrile	Toxic. Incompatibilities: oxidizers, perchloric acid, acids, metals.
Potassium Permanganate	16SI	D001		Rubber	Corrosive. Incompatibilities: acids, organics, reducers, peroxides, metal powders, alcohols, HCl (chlorine gas produced).
Purple Primer			Yes	Rubber	Flammable. Contains: cyclohexane, methyl ethyl ketone, tetrahydrofuran.
PVC Cement			Yes	Rubber	Flammable, irritant.
Pyridine	08LO	U196, D038, F005		Butyl	Flammable, toxic, explosive. Incompatibilities: acids, oxidizers; may attack some plastics, rubbers and coatings
Quartz wool	05NH	None		Nitrile	Irritant, carcinogenic.
Reduced Silver (50g)	18HM	D011		Rubber	Incompatibilities: acids, bases, and oxidizing agents
Rubber Cement			Yes	Neoprene	Flammable, toxic. Incompatibilities: strong acids and bases, oxidizing agents
Safranin O	05SO	None	Yes	Nitrile	Irritant
SeaSpem (Carrageenan)	05SO	None	Yes	Nitrile	Irritant
Siderite (granulated)	05SI	None	Yes	Rubber	aka iron/ferrous carbonate
Soda Ash	05NH	None		Nitrile	aka Sodium Carbonate. Irritant
Sodium Bicarbonate	05NH	None		Nitrile	aka baking soda. Incompatibilities: acids, oxidizing agents
Sodium Carbonate	05NH	None		Nitrile	aka soda ash. Irritant
Sodium Chloride	05NH	None		Nitrile	aka table salt. Solid inorganic (SI). Incompatibilities: acids, oxidizing agents
Sodium Chlorite	16SI	D001, D003		Neoprene	Shock sensitive, toxic.
Sodium Fluorosilicate	18SI	MN01		Nitrile	Toxic, irritant.
Sodium Hexametaphosphate	18SI	None		Nitrile	Irritant
Sodium Hydrosulfite	09SC	D001, D003		Nitrile	Flammable, irritant. Incompatibilities: water, strong acids, sodium chlorite, strong oxidizers, moisture
Sodium Hydroxide	01SI	MN01		Nitrile	Toxic, Incompatibilities: strong acids.
Sodium Hypochlorite				Nitrile	aka Bleach, corrosive, toxic, oxidizer. Incompatibilities: ammonia.
Sodium Pyrophosphate	18SI	MN01		Nitrile	Toxic, irritant. Incompatibilities: oxidizers, acids, aluminum.
Sodium Sulfate	05NH	None		Nitrile	Incompatibilities: strong mineral acids and bases.
Sodium sulfite, Anhydrous	18SI	MN01		Nitrile, Rubber	Incompatibilities: acids, strong oxidizers, high temperatures, moisture
Sulfuric Acid, 96%	02LI	D002		PVC, Rubber	Incompatibilities: any compounds with potassium or similar light metals such as sodium, lithium, ect.
Tert-Butanol Alcohol	08BS	D001		Nitrile	Flammable, irritant. Incompatibilities: hydrochloric acid, mineral acids.
Tetraethylammonium Bromide	05SO	None	Yes	Nitrile	Irritant, hygroscopic. Incompatibilities: strong oxidizers.
Thymol	05SO	None	Yes	Nitrile	Irritant, permeator. Incompatibilities: strong oxidizers, bases
Tin (granulated)	18SI	MN01		Nitrile	Recycle. Incompatibilities: oxidizers, bases, acids.
Tiron	05SO	None	Yes	Nitrile	Irritant. Incompatibilities: strong oxidizers.
Triton X-100	05LO	None	Yes	Nitrile	Toxic, environmental hazard. Incompatibilities: oxidizing agents, reducing agents
Vacuum Pump Oil	05BS	None	Yes	Nitrile	
Viscarin (Carrageenan)	05SO	None	Yes	Nitrile	
Zinc (metal and powder)	18SI	MN01		Nitrile	Recycle. Irritant. Incompatibilities: water, strong oxidizers, strong acids and bases
Zorbitrol				Nitrile	Incompatibilities: strong oxidizers.

DDC first two digits:

01: corrosive bases  
02: corrosive acids  
05: other reg. materials  
08: flammable liquids  
16: oxidizers  
18: poisons

*DDC last two letters:*

BS: bulkable solvent  
HF: hydrofluoric acid  
LI: liquid inorganic  
LO: liquid organic  
NA: nitric acid  
NH: non-hazardous  
PO: pourable oil  
SI: solid inorganic  
SO: solid organic

EPA Code:

D0001: flammable liquids and oxidants  
D002: corrosives  
D003: reactives, water and shock sensitive  
D004-D017: toxic materials  
PXXX: acutely hazardous wastes  
UXXX: toxic hazardous wastes  
MN01: toxic materials covered by MPCA but not in an above class