

Chemical Hygiene Plan – Appendix D: Inventory of Carcinogens and Other Specific Hazards

In its Laboratory Standard, OR-OSHA requires the establishment of additional protections for persons working with “Particularly Hazardous Substances”. OSHA defines these products as “select” carcinogens, reproductive toxins, and acutely toxic materials.

As part of the additional protections required, each location must have an inventory of carcinogens which PCC has expanded to include chemicals that have been classified by the GHS / SDS system as having the following hazards: (See Appendix C for further explanation of the following categories)

Carcinogen as a:

- Category 1 (includes 1A and 1B): Known or presumed human carcinogen
- Category 2: Suspected human carcinogens

Reproductive Hazard as a:

- Category 1: Known or presumed human reproductive toxicants
- Category 2: suspected human reproductive toxicant and effects on or via lactation.

Germ cell mutagenicity as a:

- Category 1A: Substances known to induce heritable mutations in germ cells of humans
- Category 1B: Substances which should be regarded as if they induce heritable mutations in the germ cells of humans

Acute toxicity

- Category 1
- Category 2

As some products used at PCC are classified as having more than one of these hazards, this inventory has been organized as a table to better present this information.

The number and letter combination in each column corresponds to the classification category for that hazard.

Cascade - Chemistry, Biology, and MLT - JH Room 222

Product Name	CAS #	Carcinogen	Reproductive Toxin	Germ Cell Mutagen	Acutely Toxic
Chloroform, stabilized with ethanol	67-66-3	2			
cholesterol liquid			2		
Cobalt carbonate	513-79-1	2			
Congo Red	573-58-0	1B			
Crystal Violet	548-62-9	1B			
Diacetyl	431-03-8			1B	
Formaldehyde solution 37%	50-00-0	2			
Glucose oxidase liquid			2		
Lerner Mucolexx		1A			
Minwax Indoor/Outdoor Helmsman Spar Urethane (aerosol) clear gloss	mixture	2			
Para-Pak 10% Formalin	50-00-0	2			
Permout Mounting Media			2		
Phenol Red Solution 0.025%		1A			
Phenolphthalein, powder	77-09-8	2			
Potassium Cyanide	151-50-8				1
Potassium Nitrate	7758-09-0	2			
Sodium azide	26628-22-8				1
Sulfuric Acid, GR	7664-93-9	2			
Toluene reference substance for gas chromatography	108-88-3		2		
Tris Borate EDTA buffer, 20x			1B		
Xylenes		2			
Zinc Metal Powder		2			

Rock Creek - Biology - Building 7 Room 122

Product Name	CAS #	Carcinogen	Reproductive Toxin	Germ Cell Mutagen	Acutely Toxic
1-Naphthylamine	134-32-7	1A			
3-Indoleacetic acid (b-)(free acid)	87-51-4	2			
Acrylamide solution 40%	79-06-1	1B	2	1B	
Anitbiotic Antimycotic			1A		
BCIP, 4-toluidine salt, solution			1A		
Carbon Steel Alloy Steel		1B	1A		
Chloramphenicol	56-74-7	1B			
Chloroform/isoamyl alcohol 24:1	67-66-3	1B	2		
Concanavalin A	11028-71-0		2		

Congo Red	573-58-0	1B	2		
Crystal Violet	548-62-9	1B			
Evans Blue	314-13-6	1B			
Formalin, 37% Formaldehyde	50-00-0	1A			
Hydroquinone	123-31-9	2			
Isopropyl alcohol, reagent, ACS	67-63-0		2		
Kanamycin sulfate, powder			1A		
Malachite Green oxalate	2437-29-8		2		
NBT, Solution			1A		
N-Phenylthiourea	103-85-5				1
Petroleum Ether	8032-32-4	1B		1B	

Rock Creek - Chemistry - Building 7 Room 217

Product Name	CAS #	Carcinogen	Reproductive Toxin	Germ Cell Mutagen	Acutely Toxic
4-Methyl-2-pentanone	108-10-1	2			
Chloroform, stabilized with ethanol		2	2		
Cobalt chloride hexahydrate	7791-13-1	2	2		
Hexanes, reagent, ACS			2		
Hydrogen peroxide	7722-84-1			1B	
Lead(II) iodide	10101-63-0	1B	1A		
Nickel sulfate hexahydrate	10101-97-0	1A	1B		
Nickel(II) chloride hexahydrate	7791-20-0	1A	1B		
Petroleum ether	8032-32-4	1B		1B	
Quartz	14808-60-7	1A			
Sodium nitrate	7632-00-0				1
Sulfuric acid, reagent, ACS	7664-93-9				2
Toluene, reagent, ACS	108-88-3		2		

Southeast - Chemistry & Biology - SCOM Room 317

Product Name	CAS #	Carcinogen	Reproductive Toxin	Germ Cell Mutagen	Acutely Toxic
Catechol	120-80-6	2			
Congo Red Indicator	573-58-0		2		
Crystal Violet	548-62-9	2			
Hexanes	110-54-3		2		
Malachite Green Hydrochloride	569-64-2		2		

Methyl orange, sodium salt	547-58-0			1B	
Petroleum ether	8032-32-4	1B		1B	
Phenolphthalein	77-09-8	1B	2		
Phenylthiourea	103-85-5				1
Phosphoric Acid, 15M					1
Sodium tetraborate, decahydrate	1303-96-4		1B		
Sulfuric acid, 1M and 18M	7664-93-9	1A			
Tris Borate EDTA buffer, 20x			1B		

Sylvania - Biology - HT Room 302A

Product Name	CAS #	Carcinogen	Reproductive Toxin	Germ Cell Mutagen	Acutely Toxic
14 oz. Camie 300 GNRL PRPS Adhsve LT 12PK			2		
3M Super 77 Multipurpose Adhesive (aerosol)			2		
Ammonium Molybdate Tetrahydrate			2		
Boric Acid			1B		
Catechol	120-80-9	2			
Congo Red 1%		1B	2		
Crystal Violet		1B			
Formaldehyde solution 37% for synthesis		1B			
Fuchsin-Carbol, Ziehl-Neelsen Formulation		1B	1B	1B	
Isopropyl Alcohol, Reagent, ACS	67-63-0		2		
Kleermount in Xylene		2			
Krylon Workable Fixatif Spray Coating			2		
Malachite green oxalate for microscopy Certistain			2		
Methyl Alcohol, anhydrous			2		
Methyl green zinc chloride double salt for microscopy Certistain		2			
Oatey PVC Regular Clean - Lo-VOC Formula		2			
Oatey VOC Rain-R-Shine Blue Cement		2			
Petroleum Ether (35-60C)	8032-32-4	1B		1B	
Phenolphthalein, powder	77-09-8	2			
Phenylthiourea	103-85-5				1
Purple Primer/Cleaner		2			
Sodium Borate, Decahydrate, GR	1303-96-4		2		
Sodium nitrite	7632-00-0	1B			
Sodium tetraborate decahydrate	1303-96-4		1B		
Tris Borate EDTA Buffer, 20X			1B		

Sylvania - Chemistry - ST Room 312

Product Name	CAS #	Carcinogen	Reproductive Toxin	Germ Cell Mutagen	Acutely Toxic
Tetrachloroethylene EMPLURA	127-18-4	2			
Xylenes		2			
(+/-)-3-Chloro-1,2-propanediol	96-24-2	2	1B		2
1,2-Dimethoxyethane	110-71-4		1B		
1,3-Dinitrobenzene	99-65-0				1
1-Acetylferrocene	1271-55-2				2
1-Bromopropane	106-94-5			1B	
1-Chloro-2,4-dinitrobenzene	97-00-7				2
2,4,6-Trichlorophenol	88-06-2	2			
2-Bromopropane	75-26-3		1B		
2-Nitropropane	79-46-9	1B			
3-Nitroaniline	99-09-2		2		
4-Chloroaniline	106-47-8	2			
4-Methyl-3-penten-2-one	141-79-7		2		
4-Nitroaniline	100-01-6		2		
4-Nitrotoluene	99-99-0				2
Acetaldehyde	75-07-0	2			
Acetamide	60-35-5	2	2		
Additional VOC's by Method 8260B		2			
Ammonium Meta-Vanadate	7803-55-6		2		1
Ammonium molybdate tetrahydrate			2		
Aniline	62-53-3	2			2
Basic Fuchsin		2			
Benzophenone		2			
Bisphenol A glycerolate dimethacrylate		2			
Boric Acid, powder technical	10043-35-3		2		
Bromine	7726-95-6				2
Buffer Solution, pH 10.00			1B		
Chloroacetic acid	79-11-8				2
Chloroform	67-66-3	1B			
Chloroform-d	865-49-6	2			
Cobalt chloride	7791-13-1	1B	1B		
Cobalt nitrate	10028-22-9	1B	1B		
Cobalt(II) sulfate heptahydrate for analysis	10026-24-1	1B	1B		
Collodion, U.S.P.		1A			
Congo Red, biological stain, pH indicator	573-58-0	1B	2		
Crystal Violet	548-62-9	2			
Cyclohexylamine	108-91-8		2		

Diatomaceous earth	68855-54-9	1A			
Dichloromethane for analysis	75-09-2	2			
Dicyclopentadiene, stabilized	77-73-6				2
Ethyl bromide	74-96-4	2			
Ethyl ether	60-29-7		2		
Ethylbenzene	100-41-4	2	1B		
Ferrocene	102-54-5		2		
Furfural	98-01-1	2			2
Hexanes 98% Practical	110-54-3		2		
Hydrazine dihydrachloride	5341-61-7	1B			
Hydrazine Hydrate (100% Solution)	302-01-2	1B			
Hydroquinone	123-31-9	2			
Klean Strip Kerosene			2	1B	
Lead acetate, trihydrate, crystal, reagent, ACS	6080-56-4	1B	1A		
Lead Shot	7439-92-1	1A	1A		
Lead(II) chloride anhydrous for synthesis	7758-95-4		1A		
Lead(II) nitrate for analysis	10099-74-8		1A		
Malachite green oxalate salt	2437-29-8		2		
Mercuric acetate	1600-27-7				1
Mercuric chloride	7487-94-7		2		2
Mercuric iodide	14836-60-3		2		1
Mercurous nitrate, dihydrate, crystal, reagent	1436-60-3				1
Mercury(II) chloride extra pure fine crystal			2		2
Methyl green zinc chloride double salt for microscopy Certistain		2			
Molybdenum trioxide		2			
Molybdic acid 85%	7782-91-4	2			
N,N-Dimethylformamide	68-12-2		1B		
Naphthalene for synthesis	91-20-3	2			
Nickel	7440-02-0	2			
Nickel chloride hexahydrate for analysis EMSURE ACS	7791-20-0	1A	1B		
Nickel nitrate			1B		
Nickel sulfate hexahydrate	10101-97-0	1A	1B		
Nitrobenzene	98-95-3	2	1A		
o-Phenylenediamine	95-54-5	2			
Oxalyl chloride	79-37-8				2
p-Dichlorobenze (reagent)	106-46-7	1B			
Petroleum Ether		1B		1B	
Phenolphthalein	77-09-8	1B	2		
Phenylhydrazine hydrochloride	59-88-1	1B			
Poly(ethylene-co-vinyl acetate)	24937-78-8	2			
Potassium bromate		1B			
Potassium pyrosulfate		2			
Sodium borate decahydrate crystals GF ACS	1303-96-4		1B		
Sodium borohydride for analysis	7789-38-0		1B		

Sodium fluoride, ACS	7681-49-4				2
Sodium perborate	10486-00-7		1B		
Thallium(I) chloride	7791-12-0				2
Toluene EMPLURA	108-88-3		2		
Vanadium(V) oxide	1314-62-1		2		
VOC Liquid Mixture - Modified		1A			

Sylvania - Engineering - AM Room 103

Product Name	CAS #	Carcinogen	Reproductive Toxin	Germ Cell Mutagen	Acutely Toxic
Borax	1303-96-4		1B		
Buehler Phenocure phenolic powder and premolds		2			
Buffer Powder Pillows pH 8.30			1B		
Isopropyl alcohol, reagent, ACS	67-63-0		2		
Klean Strip Lacquer Thinner			2		
Liquid Wrench Lubricating Oil		1B	2	1B	
LN-740 Wood Projects AHE74024TN0		1B			
Marking Chalk Yellow		2			
NitraVer 5 Nitrate Reagent		1B	2		
Pro LSPR 6pk Mark White				1B	
Survey Marking Paint		1B	2		