

This document is required by the United States Department of Homeland Security to identify priority chemicals found at colleges and universities. This form also serves to identify chemicals which pose a significant environmental health and safety risk. This form must be completed by every laboratory in order to be in compliance.

The Environmental Health and Safety Office (EHSO) staff is available to assist you with completing this form and reviewing it after you have completed it. EHSO may also be consulted by calling the EHSO at (312)-413-3387 or (312)-996-7411.

Please check all of the following chemicals you have in your laboratory. Indicate approximate quantity, if possible. If you have none of the listed chemicals in your laboratory, please sign this form by checking the box below.

Check the following statement- I have reviewed the list below and have none of these chemicals in my laboratory.

Section 1: Lab Information

Department

Phone Number

Building Name

Email Address

Lab Room Number

Date Survey Completed

Principal Investigator

Section 2: Chemicals of Concern

Place a check by each chemical if you have the chemical in your lab.

Chemical Name	Synonym	CAS Number	Quantity in your Laboratory	Hazard	Hazard	Hazard
Acetaldehyde diethyl acetal	Acetal	105-57-7		Class B Peroxide		
Acetone cyanohydrin, stabilized		75-86-5		Regulated by Dept. of Homeland Security		
2-Acetylaminofluorene		53-96-3		OSHA Carcinogen		
Acetyl iodide		507-02-8		Regulated by Dept. of Homeland Security		
Acryloyl Chloride	2-propenoyl chloride	814-68-6		Extremely Hazardous Substance		
Aldicarb		116-06-3		Extremely Hazardous Substance	Acutely Hazardous Waste	
Allyltrichlorosilane, stabilized		107-37-9		Regulated by Dept. of Homeland Security		
alpha-Naphthylamine		134-32-7		OSHA Carcinogen		
Aluminum (powder)		7429-90-5		Regulated by Dept. of Homeland Security		
Aluminum bromide, anhydrous		7727-15-3		Regulated by Dept. of Homeland Security		
4-Aminodiphenyl		92671		OSHA Carcinogen		
Amiton oxalate		3734-97-2		Extremely Hazardous Substance		
Ammonia, anhydrous		7664417A		Extremely Hazardous Substance	Toxic Gas	
Arsenic pentoxide		1303-28-2		Extremely Hazardous Substance	Acutely Hazardous Waste	
Arsenic trichloride	arsenous trichloride (>30%)	7784-34-1		Regulated by Dept. of Homeland Security		
Arsenic trioxide	arsenic oxide	1327-53-3		Extremely Hazardous Substance	Acutely Hazardous Waste	

Chemical Name	Synonym	CAS Number	Quantity in your Laboratory	Hazard	Hazard	Hazard
Arsine		7784-42-1		Extremely Hazardous Substance	Regulated by Dept. of Homeland Security	Toxic Gas
Azinphos-methyl	Guthion	86-20-0		Extremely Hazardous Substance		
Benzene		71-43-2		OSHA Regulated Toxic Substance		
Benzeneearsonic acid		98-05-5		Extremely Hazardous Substance		
Benzene, 1,3-diisocyanato-2-methyl-	Toulene-2,6-diisocyanate	91-08-7		Extremely Hazardous Substance		
Benzidine		92-87-5		OSHA Carcinogen		
Benzoic trichloride	Benzotrichloride	98-07-7		Extremely Hazardous Substance		
Benzoyl peroxide		94-36-0		Class B Peroxide		
Beryllium or Beryllium compounds		7440-41-7		Extremely Hazardous Substance	Acutely Hazardous Waste	OSHA Regulated Toxic Substance
beta-Naphthylamine		91-59-8		OSHA Carcinogen		
beta-Propiolactone		57-57-8		OSHA Carcinogen		
1,3-bis(2-chloroethylthio)-n-propane		63905-10-2		Regulated by Dept. of Homeland Security		
1,4-bis(2-chloroethylthio)-n-butane		142868-93-7		Regulated by Dept. of Homeland Security		
1,5-bis(2-chloroethylthio)-n-pentane		142868-94-8		Regulated by Dept. of Homeland Security		
Bis(2-chloroethylthio)methane		63869-13-6		Regulated by Dept. of Homeland Security		
Bis(2-chloroethylthioethyl)ether		63918-89-8		Regulated by Dept. of Homeland Security		
Bis(chloromethyl) ether	Chloromethyl ether, Dichloromethyl ether	542-88-1		Extremely Hazardous Substance	Acutely Hazardous Waste	OSHA Carcinogen
Bis(chloromethyl) ketone		534-07-6		Extremely Hazardous Substance		
Boron trichloride		010294-34-5		Toxic Gas		
Boron trifluoride		07637-07-2		Extremely Hazardous Substance	Toxic Gas	
Bromotrifluoroethylene		598-73-2		Pyrophoric		
Cadmium fume/dust		7440-43-9		OSHA Regulated Toxic Substance		
Carbofuran		1563-66-2		Extremely Hazardous Substance	Acutely Hazardous Waste	
Carbon disulfide		75-15-0		Extremely Hazardous Substance	Acutely Hazardous Waste	OSHA Regulated Toxic Substance
Carbon Monoxide		630-08-0		Toxic Gas		
Carbon tetrachloride		56-23-5		OSHA Regulated Toxic Substance		
Cesium, elemental		7440-46-2		Pyrophoric		
Chlorine		7782-50-5		Extremely Hazardous Substance	Toxic Gas	

Chemical Name	Synonym	CAS Number	Quantity in your Laboratory	Hazard	Hazard	Hazard
2-chloroethylchloromethylsulfide		2625-76-5		Regulated by Dept. of Homeland Security		
Chlormequat chloride		999-81-5		Extremely Hazardous Substance		
2-Chloro-N-(2-Chloroethyl)-N-methylethanamine	Mechlorethamine, Nitrogen Mustard	51-75-2		Extremely Hazardous Substance		
Chlorine pentafluoride		013637-63-3		Toxic Gas		
Chlorine trifluoride		007790-91-2		Toxic Gas		
Chloroacetic acid		79-11-2		Extremely Hazardous Substance		
3-Chloroperoxybenzoic peroxide		937-14-4		Shock Sensitive/ Explosive		
Chloromethyl methyl ether	chloromethoxy-methane	107-30-2		Extremely Hazardous Substance	OSHA Carcinogen	
Chlorosarin		1445-76-7		Regulated by Dept. of Homeland Security		
Chlorosoman		7040-57-5		Regulated by Dept. of Homeland Security		
Chromic acid		7738-94-5		OSHA Regulated Toxic Substance		
Crimidine		535-89-7		Extremely Hazardous Substance		
Cumene	isopropylbenzene	98-82-8		Class B Peroxide		
Colchicine		64-86-8		Extremely Hazardous Substance		
Coumaphos		56-72-4		Extremely Hazardous Substance		
Cyanogen		460-19-5		Extremely Hazardous Substance	Acutely Hazardous Waste	Toxic Gas
Cyanogen chloride		506-77-4		Extremely Hazardous Substance	Acutely Hazardous Waste	Toxic Gas
Cyanuric Fluoride		675-14-9		Extremely Hazardous Substance		
Cyclohexene		110-83-8		Class B Peroxide		
Cycloheximide		66-81-9		Extremely Hazardous Substance		
Cyclopentene		142-29-0		Class B Peroxide		
DF	Methyl phosphonyl difluoride	676-99-3		Regulated by Dept. of Homeland Security		
Decalin	Decahydronaphthalene	91-17-8		Class B Peroxide		
Diacetylene	Butadyne	460-12-8		Class B Peroxide		
Diborane	Boroethane	019287-45-7		Extremely Hazardous Substance	Toxic Gas	
1,2-Dibromo-3-chloropropane		96-12-8		OSHA Regulated Toxic Substance		
3,3'-Dichlorobenzidine (and its salts)		91941		OSHA Carcinogen	OSHA Regulated Toxic Substance	
Dichloro borane		10325-39-0		Pyrophoric	Toxic Gas	

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Dicrotophos		141-66-2		Extremely Hazardous Substance		
Dicumyl peroxide		80-43-3		Class B Peroxide		
dicyclopentadiene		77-73-6		Class B Peroxide		
diethyl ether	ether	000060-29-7		Class B Peroxide		
Diethyl methylphosphonate		15715-41-0		Regulated by Dept. of Homeland Security		
Diethylene glycol dimethyl ether	diglyme	000111-96-6		Class B Peroxide		
Diisopropyl ether	isopropyl ether	108-20-3		Class A Peroxide		
Diisopropylfluorophosphate	Isofluorphate	55-91-4		Extremely Hazardous Substance	Acutely Hazardous Waste	
Digitoxin		71-63-6		Extremely Hazardous Substance		
Dimethyl-p-phenylenediamine		99-98-9		Extremely Hazardous Substance		
4-Dimethylaminoazobenzene		60-11-7		OSHA Carcinogen	OSHA Regulated Toxic Substance	
Dinitrocresol	4,6-Dinitro-o-cresol	534-52-1		Extremely Hazardous Substance	Acutely Hazardous Waste	
Dinitrogen tetroxide		10544-72-6		Toxic Gas		
Dinoseb		88-85-7		Extremely Hazardous Substance	Acutely Hazardous Waste	
1,4-Dioxane	P-Dioxane, dioxane	123-91-1		Class B Peroxide		
Diphacinone		82-66-6		Extremely Hazardous Substance		
Diphosphoramidate, octamethyl-		152-16-9		Extremely Hazardous Substance	Acutely Hazardous Waste	
Di-tert-butyl peroxide		110-05-4		Shock Sensitive/ Explosive		
Dithiobiuret	2,4-dithiobiuret	541-53-7		Extremely Hazardous Substance	Acutely Hazardous Waste	
Divinylacetylene (DVA)	divinyl acetylene	821-08-9		Class A Peroxide		
Emetine, dihydrochloride		316-42-7		Extremely Hazardous Substance		
Endosulfan		115-29-7		Extremely Hazardous Substance	Acutely Hazardous Waste	
EPN		2104-64-5		Extremely Hazardous Substance		
Ethyl Ether	diethyl ether	60-29-7		Class B Peroxide		
Ethyl phosphonyl difluoride		753-98-0		Regulated by Dept. of Homeland Security		
Ethylene dibromide		106-93-4		OSHA Regulated Toxic Substance		
Ethylene dichloride		107-06-2		OSHA Regulated Toxic Substance		
Ethylene Fluorohydrin		371-62-0		Extremely Hazardous Substance		

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ethylene glycol dimethyl ether	glyme	110-71-4		Class B Peroxide		
Ethyleneimine		151564		Extremely Hazardous Substance	Acutely Hazardous Waste	OSHA Carcinogen
Ethylphosphonothioic dichloride (>30%)		993-43-1		Regulated by Dept. of Homeland Security		
Fluorine		7782-41-4		Extremely Hazardous Substance	Acutely Hazardous Waste	Toxic Gas
Fluoroacetic Acid		144-49-0		Extremely Hazardous Substance		
Fluoroacetyl Chloride		359-06-8		Extremely Hazardous Substance		
Fluoroacetamide		640-19-7		Extremely Hazardous Substance	Acutely Hazardous Waste	
Formaldehyde		50-00-0		OSHA Regulated Toxic Substance		
Furan		110-00-9		Class B Peroxide		
Germane		7782-65-2		Toxic Gas		
Hexachlorocyclopentadiene		77-47-4		Extremely Hazardous Substance	Acutely Hazardous Waste	
HN1	nitrogen mustard-1, Bis(2-chloroethyl)-ethylamine	538-07-8		Regulated by Dept. of Homeland Security		
HN2	Bis (2-chloroethyl)-methylamine	51-75-2		Regulated by Dept. of Homeland Security		
HN3	nitrogen mustard-3,Tris(2-chloroethyl)amine	555-77-1		Regulated by Dept. of Homeland Security		
Hydrocyanic acid	hydrogen cyanide	74-90-8		Extremely Hazardous Substance	Acutely Hazardous Waste	
hydrofluoric acid	hydrogen fluoride	7664-39-3		Extremely Hazardous Substance	OSHA Regulated Toxic Substance	
Hydrogen bromide		10035-10-6		Toxic Gas		
Hydrogen chloride (gas)		7647-01-0		Toxic Gas		
Hydrogen selenide		7783075		Toxic Gas		
Hydrogen sulfide		7783064		OSHA Regulated Toxic Substance	Toxic Gas	
Isodrin		465-73-6		Extremely Hazardous Substance	Acutely Hazardous Waste	
Isopropylphosphonothioic dichloride (>30%)		1498-60-8		Regulated by Dept. of Homeland Security		
Isopropylphosphonyl difluoride		677-42-9		Regulated by Dept. of Homeland Security		
Lewisite 1	(2-Chlorovinyl-dichloroarsine)	541-25-3		Extremely Hazardous Substance	Regulated by Dept. of Homeland Security	
Lewisite 2	Bis (2-Chlorovinyl)-chloroarsine	40334-69-8		Regulated by Dept. of Homeland Security		
Lewisite 3	Tris (2-Chlorovinyl)arsine	40334-70-1		Regulated by Dept. of Homeland Security		
Mercury, elemental		7439-97-6		OSHA Regulated Toxic Substance		
Methacryloyl Chloride		920-46-7		Extremely Hazardous Substance		

Chemical Name	Synonym	CAS Number	Quantity in your Laboratory	Hazard	Hazard	Hazard
Methyl chloride		000074-87-3		OSHA Regulated Toxic Substance		
Methyl isobutyl ketone		108-10-1		Class B Peroxide		
Methyl parathion	parathion-methyl	298-00-0		Extremely Hazardous Substance	Acutely Hazardous Waste	
Methyl Phosphonic Dichloride		676-97-1		Extremely Hazardous Substance		
Methyl Vinyl ketone		78-94-4		Extremely Hazardous Substance		
Methylacetylene		74-99-7		Class B Peroxide		
Methylcyclopentane		96-37-1		Class B Peroxide		
Methylene chloride		75-09-2		OSHA Regulated Toxic Substance		
Methylethyl ketone peroxide		1338-23-4		Shock Sensitive/ Explosive		
Methylphosphonothiotic dichloride		676-98-2		Regulated by Dept. of Homeland Security		
Metolcarb		1129-41-5		Extremely Hazardous Substance	Acutely Hazardous Waste	
Mustard Gas		505-60-2		Regulated by Dept. of Homeland Security		
N,N-(2-diethylamino)ethanethiol		100-38-9		Regulated by Dept. of Homeland Security		
N,N-(2-diisopropylamino)ethanethiol		05542-07-9		Regulated by Dept. of Homeland Security		
N,N-(2-dimethylamino)ethanethiol (>30%)		108-02-1		Regulated by Dept. of Homeland Security		
N,N-(2-dipropylamino)ethanethiol (>30%)		05842-06-8		Regulated by Dept. of Homeland Security		
N,N-Diethyl phosphoramidic dichloride		1498-54-0		Regulated by Dept. of Homeland Security		
N,N-Diisopropyl phosphoramidic dichloride (>30%)		23306-80-1		Regulated by Dept. of Homeland Security		
N,N-Dimethyl phosphoramidic dichloride (>30%)		677-43-0		Regulated by Dept. of Homeland Security		
Nickel carbonyl		13463-39-3		Extremely Hazardous Substance	Acutely Hazardous Waste	
Nicotine	Pyridine, 3-(1-methyl-2-pyrrolidinyl)-, (S)	54-11-5		Extremely Hazardous Substance	Acutely Hazardous Waste	
Nicotine Sulfate		65-30-5		Extremely Hazardous Substance		
Nitric oxide	nitrogen oxide	10102-43-9		Extremely Hazardous Substance	Acutely Hazardous Waste	Toxic Gas
4-Nitrobiphenyl		92-93-3		OSHA Carcinogen	OSHA Regulated Toxic Substance	
Nitrogen dioxide		10102-44-0		Extremely Hazardous Substance	Acutely Hazardous Waste	Toxic Gas
Nitrogen mustard hydrochloride	Bis (2-chloroethyl)methylamine hydrochloride (>30%)	55-86-7		Regulated by Dept. of Homeland Security		
Nitrogen trifluoride		7783-54-2		Toxic Gas		
Nitrogen trioxide		104797-55-8		Toxic Gas		

Chemical Name	Synonym	CAS Number	Quantity in your Laboratory	Hazard	Hazard	Hazard
Nitrosyl chloride		2696-92-6		Toxic Gas		
Nitrourea		556-89-8		Pyrophoric		
Nitrous oxide		10024-97-2		Toxic Gas		
N-Nitrosodimethylamine		62759		Extremely Hazardous Substance	Acutely Hazardous Waste	OSHA Carcinogen
Norbormide		991-42-4		Extremely Hazardous Substance		
o,o-Diethyl S-[2-(diethylamino)ethyl] phosphorothiolate		78-53-5		Regulated by Dept. of Homeland Security		
O-Mustard (T)	Bis (2-Chloroethoxy) ether	63918-89-8		Regulated by Dept. of Homeland Security		
oxamyl		23135-22-0		Extremely Hazardous Substance	Acutely Hazardous Waste	
Oxygen difluoride		7783-41-7		Toxic Gas		
Ouabain		630-60-4		Extremely Hazardous Substance		
Parathion	phosphorothioic acid; O,O-diethyl-O-(4-nitrophenyl) ester	56-38-2		Extremely Hazardous Substance	Acutely Hazardous Waste	
Paraquat dichloride		1910-42-5		Extremely Hazardous Substance		
Paraquat methosulfate		2074-50-2		Extremely Hazardous Substance		
Peracetic acid		79-21-0		Shock Sensitive/ Explosive		
Perchloric acid		7601-90-3		Shock Sensitive/ Explosive		
Phenylsilatrane		2097-19-0		Extremely Hazardous Substance		
Phenylthiourea		103-85-5		Extremely Hazardous Substance	Acutely Hazardous Waste	
Phorate		298-02-2		Extremely Hazardous Substance	Acutely Hazardous Waste	
Phosfolan		947-02-4		Extremely Hazardous Substance		
Phosgene	carbonic dichloride	75-44-5		Extremely Hazardous Substance	Acutely Hazardous Waste	Toxic Gas
Phosmet		732-11-6		Extremely Hazardous Substance		
Phosphine		7803-51-2		Extremely Hazardous Substance	Pyrophoric	Toxic Gas
Phosphorus pentafluoride		7647-19-0		Toxic Gas		
Phosphorus, elemental, white or yellow		7723-14-0		Extremely Hazardous Substance	Pyrophoric	
Physostigmine		57-47-6		Extremely Hazardous Substance	Acutely Hazardous Waste	
Physostigmine, salicylate (1:1)		57-64-7		Extremely Hazardous Substance	Acutely Hazardous Waste	
Picric acid		88-89-1		Shock Sensitive/ Explosive		
Plumbane, tetramethyl-		75-74-1		Extremely Hazardous Substance		

Chemical Name	Synonym	CAS Number	Quantity in your Laboratory	Hazard	Hazard	Hazard
Polychlorinated Biphenyls (PCBs)		several		Extremely Hazardous Substance		
potassium amide		17242-52-3		Class A Peroxide		
Potassium cyanide		151-50-8		Extremely Hazardous Substance	Acutely Hazardous Waste	
Potassium, elemental		7440235		Pyrophoric	Class A Peroxide	
2-Propenoyl Chloride	Acrylyl Chloride	814-68-6		Extremely Hazardous Substance		
Propargyl bromide		106-96-7		Extremely Hazardous Substance		
Propiophenone, 4'-amino		70-69-9		Extremely Hazardous Substance		
Propylphosphonothioic Dichloride		2524-01-08		Regulated by Dept. of Homeland Security		
Propylphosphonyl difluoride		690-14-2		Regulated by Dept. of Homeland Security		
Prothoate		2275-18-5		Extremely Hazardous Substance		
Rubidium, elemental		7440-17-7		Pyrophoric		
Sarin, o-Isopropyl	methylphosphono-fluoridate	107-44-8		Extremely Hazardous Substance	Regulated by Dept. of Homeland Security	
Selenium hexafluoride		7783-41-7		Toxic Gas		
Sesquimustard	1,2-Bis(2-chloroethylthio) ethane	3563-36-8		Regulated by Dept. of Homeland Security		
Silane		7803-62-5		Pyrophoric		
Silicon Tetrafluoride		7783-61-1		Toxic Gas		
Sodium Amide	sodamide	7782-92-5		Class A Peroxide		
Sodium Cacodylate		124-65-2		Extremely Hazardous Substance		
Sodium cyanide		143-33-9		Extremely Hazardous Substance	Acutely Hazardous Waste	
Sodium fluoroacetate	Fluoroacetic acid, sodium salt	62-74-8		Extremely Hazardous Substance	Acutely Hazardous Waste	
Soman, o-Pinacolyl	methylphosphono-fluoridate	96-64-0		Regulated by Dept. of Homeland Security		
Stibine		7803-32-3		Toxic Gas	Pyrophoric	
Strychnine Sulfate		60-41-3		Extremely Hazardous Substance		
Strychnine		57-24-9		Extremely Hazardous Substance	Acutely Hazardous Waste	
Styrene		100-42-5		OSHA Regulated Toxic Substance		
Sulfur Dioxide		7446.05.09		Toxic Gas		
Sulfur tetrafluoride	sulfur fluoride (SF4), (T-4)	7783-60-0		Extremely Hazardous Substance	Toxic Gas	
Sulfur Trioxide		007446-11-9		Extremely Hazardous Substance		

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Tabun	(o-Ethyl-N,N-dimethylphosphoramido-cyanidate)	77-81-6		Extremely Hazardous Substance	Regulated by Dept. of Homeland Security	
Tellurium Hexafluoride		7783-80-4		Extremely Hazardous Substance	Toxic Gas	
tert-Butyl Hydroperoxide		75-91-2		Shock Sensitive/ Explosive		
Tetrachloroethylene		127-18-4		OSHA Regulated Toxic Substance		
Tetraethyl Lead		78-00-2		Extremely Hazardous Substance	Acutely Hazardous Waste	
Tetraethyldithiopyrophosphate		3689-24-5		Extremely Hazardous Substance	Acutely Hazardous Waste	Toxic Gas
Tetraethylpyrophosphate	Tetraethyl, TEPP	107-49-3		Extremely Hazardous Substance	Toxic Gas	
Tetraethyltin		597-64-8		Extremely Hazardous Substance		
Tetrahydrofuran	THF	109-99-9		Class B Peroxide		
Tetralin	tetrahydronaphthalene	119-64-2		Class B Peroxide		
Thallium Sulfate	thallous sulfate	7446-18-6		Extremely Hazardous Substance	Acutely Hazardous Waste	
Thiodiglycol (>30%)		111-48-8		Regulated by Dept. of Homeland Security		
Thiofanox		39196-18-4		Extremely Hazardous Substance	Acutely Hazardous Waste	
Thiosemicarbazide		79-19-6		Extremely Hazardous Substance	Acutely Hazardous Waste	
Thiourea, 2-chlorophenyl		5344-82-1		Extremely Hazardous Substance	Acutely Hazardous Waste	
Toluene		108-88-3		OSHA Regulated Toxic Substance		
2,4,5 trichloro phenoxyacetic acid		93-76-5		Shock Sensitive/ Explosive		
Trichloroethylene		79-01-6		OSHA Regulated Toxic Substance		
Trichloro(chloromethyl)silane		1558-25-4		Extremely Hazardous Substance		
Vanadium pentoxide		1314-62-1		Extremely Hazardous Substance	Acutely Hazardous Waste	
Vinyl Chloride		75-01-4		OSHA Regulated Toxic Substance	OSHA Carcinogen	
Vinyl ethers				Class B Peroxide		
Vinylidene chloride	1,1-dichloroethylene	75-35-4		Class A Peroxide		
VX	o-ethyl-S-2-diisopropylaminoethyl methyl phosphonothiolate	50782-69-9		Pyrophoric		
Warfarin, & salts (>0.3 %)		81812A		Extremely Hazardous Substance	Acutely Hazardous Waste	