

	<b>Hazardous Material Inventory Requirement</b>	Effective:	7 <sup>th</sup> Mar 2006
		Originator	D. McKoy
		Last Updated:	7 <sup>th</sup> May 2006
		Updated by:	D. McKoy

## 1. Purpose:

1.1 Businesses are required to submit an annual inventory of hazardous material to the Environmental Protection Agency (EPA) or equivalent local agency. This chemical inventory information can also assist the campus in establishing occupancy codes for buildings and provides valuable data for calculating air pollutant emits.

## 2. Scope:

2.1. This procedure applies to all hazardous material used or produced in or as a result of operations by the university.

## 3. Procedure

### What Chemicals Need to be Listed on the Inventory of Hazardous Material?

All substances for which an MSDS has been produced are considered reportable by law. Businesses must also list hazardous wastes on the inventory.

Exempted categories of hazardous are:

- Radioactive isotopes and materials registered under RUAs
- Chemical solutions of less than 10% concentration (including formalin, dilute acids and bases and buffer solutions)
- Registered drugs
- Distilled water, saline solutions and sugar solutions
- Unknown compounds or mixed radiological/chemical wastes

### Local Agency Requirements for Chemical Inventories

Businesses must list ALL hazardous materials above specific threshold quantities based on the physical state of the material. These thresholds are the following:

Solids:	Quantities $\geq$ 1 lb. or 0.45 kg.
Liquids:	Quantities $\geq$ 1 gal. or 3.8 L.
Compressed Gases:	Any amount.

Required information about hazardous materials include location, physical state, type of container, amount present at time of inventory, and maximum amount stored on site during the year.

Version: 1.00	Page No. 1 of 1	Ross University
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**Acutely Hazardous Materials**

Materials included on the list of Acutely Hazardous Materials (AH Materials) must be tightly managed and quarterly reports of inventory balances (no matter how small the quantity present at a site) must be submitted to the Purchasing & Inventory Department. A list of [AH Materials](#) can be viewed found below.

**Completing the Chemical Inventory**

All campus hazardous material users must submit a Chemical Inventory List to the Safety & Security Department and the Purchasing & Inventory Department. Any amendments to this chemical inventory list, whether additions or discontinued use, must be communicated immediately to the above departments in writing.

### List of Acutely Hazardous Material

Chemical	CAS-NO
1,2-Dichloro-Ethanol Acetate	10140-87-1
1-(Chloromethyl)-4-Nitro-Benzene	100-14-1
2,4,6-Trimethyl-Aniline	88-05-1
2-Chloro-Ethanesulfonyl Chloride	1622-32-8
2-Methyl-5-Vinyl-Pyridine	140-76-1
3,4-Dichlorophenyl-Isocyanic Acid Ester	102-36-3
3-(Trifluoromethyl)-Benzenamine	98-16-8
3-Chloro-Propionitrile	542-76-7
4,5-Dichloro-2-(Trifluoromethyl)-Benzimidazole	3615-21-2
4-Amino-Propiophenone	70-69-9
4-Amino-Pyridine	504-24-5
Acetone Cyanohydrin	75-86-5
Acetone Thiosemicarbazide	1752-30-3
Acetoxytriphenyl-Stannane	900-95-8
Acrolein	107-02-8
Acrylamide	79-06-1
Acrylonitrile	107-13-1
Acrylyl Chloride	814-68-6
Adiponitrile	111-69-3
Aldicarb	116-06-3
Aldrin	309-00-2
Allyl Alcohol	107-18-6
Allylamine	107-11-9
Aluminum Phosphide	20859-73-8
Aminopterin	54-62-6
Amiton	78-53-5
Amiton Oxalate	3734-97-2
Ammonia	7664-41-7
Amphetamine	300-62-9
Aniline	62-53-3
Antimony Pentafluoride	7783-70-2
Antimycin A	1397-94-0
ANTU	86-88-4
Arsenic Pentoxide	1303-28-2
Arsenous Oxide	1327-53-3
Arsenous Trichloride	7784-34-1

Arsine	7784-42-1
Benzal Chloride	98-87-3
Benzeneearsonic Acid	98-05-5
Benzotrichloride	98-07-7
Benzyl Chloride	100-44-7
Benzyl Cyanide	140-29-4
Bis(Chloromethyl) Ketone	534-07-6
Bitoscanate	4044-65-9
Boron Trichloride	10294-34-5
Boron Trifluoride	7637-07-2
Boron Trifluoride Compound With Methyl Ether	353-42-4
Bromadiolone	28772-56-7
Bromine	7726-95-6
Cadmium Oxide	1306-19-0
Cadmium Stearate	2223-93-0
Calcium Arsenate	7778-44-1
Camphechlor	8001-35-2
Cantharidin	56-25-7
Carbachol Chloride	51-83-2
Carbofuran	1563-66-2
Carbon Disulfide	75-15-0
Carbophenothion	786-19-6
Chlordane	57-74-9
Chlorfenvinfos	470-90-6
Chlorine	7782-50-5
Chlormephos	24934-91-6
Chlormequat Chloride	999-81-5
Chloroacetic Acid	79-11-8
Chloroethanol	107-07-3
Chloroethyl Chloroformate	627-11-2
Chloroform	67-66-3
Chloromethyl Ether	542-88-1
Chloromethyl Methyl Ether	107-30-2
Chlorophacinone	3691-35-8
Chloroxuron	1982-47-4
Chlorthiophos	21923-23-9
Chromic Chloride	10025-73-7
Cobalt Carbonyl	10210-68-1

Cobalt, ((2,2'-(1,2-Ethanediybis(Nitrilomethylidyne)) Bis(6-Fluorophenolato))(2-)-N,N',O,O')-	62207-76-5
Colchicine	64-86-8
Coumaphos	56-72-4
Coumatetralyl	5836-29-3
Cresol, o-	95-48-7
Crimidine	535-89-7
Crotonaldehyde	4170-30-3
Crotonaldehyde,(E)-	123-73-9
Cyanogen Bromide	506-68-3
Cyanogen Iodide	506-78-5
Cyanophos	2636-26-2
Cyanuric Fluoride	675-14-9
Cycloheximide	66-81-9
Cyclohexylamine	108-91-8
Decaborane	17702-41-9
Demeton	8065-48-3
Demeton-S-Methyl	919-86-8
Dialifor	10311-84-9
Diborane	19287-45-7
Dichloroethyl ether	111-44-4
Dichloromethylphenylsilane	149-74-6
Dichlorvos	62-73-7
Dicrotophos	141-66-2
Diepoxybutane	1464-53-5
Diethyl Chlorophosphate	814-49-3
Digitoxin	71-63-6
Diglycidyl Ether	2238-07-5
Digoxin	20830-75-5
Dihydrochloride Emetin	316-42-7
Dimefox	115-26-4
Dimethoate	60-51-5
Dimethyl Phosphorochloridothioate	2524-03-0
Dimethyl sulfate	77-78-1
Dimethyl-p-Phenylenediamine	99-98-9
Dimethyldichlorosilane	75-78-5
Dimethylhydrazine	57-14-7
Dimetilan	644-64-4
Dinitrocresol	534-52-1

Dinoseb	88-85-7
Dinoterb	1420-07-1
Dioxathion	78-34-2
Diphacinone	82-66-6
Diphosphoramidate, Octamethyl-	152-16-9
Disulfoton	298-04-4
Dithiazanine Iodide	514-73-8
Dithiobiuret	541-53-7
Endosulfan	115-29-7
Endothion	2778-04-3
Endrin	72-20-8
Epichlorohydrin	106-89-8
EPN	2104-64-5
Ergocalciferol	50-14-6
Ergotamine Tartrate	379-79-3
Ethienocarb	58270-08-9
Ethion	563-12-2
Ethoprophos	13194-48-4
Ethyl Azinphos	2642-71-9
Ethylbis(2-Chloroethyl)Amine	538-07-8
Ethylene Fluorohydrin	371-62-0
Ethylene Oxide	75-21-8
Ethylenediamine	107-15-3
Ethyleneimine	151-56-4
Ethylthiocyanate	542-90-5
Fenamiphos	22224-92-6
Fensulfothion	115-90-2
Fluometil	4301-50-2
Fluorine	7782-41-4
Fluoroacetamide	640-19-7
Fluoroacetic Acid	144-49-0
Fluoroacetyl Chloride	359-06-8
Fluorouracil	51-21-8
Fonofos	944-22-9
Formaldehyde	50-00-0
Formaldehyde Cyanohydrin	107-16-4
Formetanate Hydrochloride	23422-53-9
Formothion	2540-82-1

Formparanate	17702-57-7
Fosthietan	21548-32-3
Fuberidazole	3878-19-1
Furan	110-00-9
Gallium Trichloride	13450-90-3
Hexachlorocyclopentadiene	77-47-4
Hexamethylenediamine, N,N'-Dibutyl-	4835-11-4
Hydrazine	302-01-2
Hydrocyanic Acid	74-90-8
Hydrogen Chloride	7647-01-0
Hydrogen Fluoride	7664-39-3
Hydrogen Peroxide	7722-84-1
Hydrogen Selenide	7783-07-5
Hydrogen Sulfide	7783-06-4
Hydroquinone	123-31-9
Isobenzan	297-78-9
Isobutyronitrile	78-82-0
Isodrin	465-73-6
Isofluorophate	55-91-4
Isophorone Diisocyanate	4098-71-9
Isopropyl Chloroformate	108-23-6
Isopropylmethylpyrazolyl Dimethylcarbamate	119-38-0
Lactonitrile	78-97-7
Leptophos	21609-90-5
Lewisite	541-25-3
Lindane	58-89-9
Lithium Hydride	7580-67-8
Malononitrile	109-77-3
Mechlorethamine	51-75-2
Mephosfolan	950-10-7
Mercuric Acetate	1600-27-7
Mercuric Chloride	7487-94-7
Mercuric Oxide	21908-53-2
Methacrolein Diacetate	10476-95-6
Methacrylic Anhydride	760-93-0
Methacrylonitrile	126-98-7
Methacryloyl Chloride	920-46-7
Methacryloyloxyethyl Isocyanate	30674-80-7

Methamidophos	10265-92-6
Methanesulfonyl Fluoride	558-25-8
Methidathion	950-37-8
Methiocarb	2032-65-7
Methomyl	16752-77-5
Methoxyethylmercuric Acetate	151-38-2
Methyl 2-Chloroacrylate	80-63-7
Methyl Azinphos	86-50-0
Methyl Bromide	74-83-9
Methyl Chloroformate	79-22-1
Methyl Hydrazine	60-34-4
Methyl Isocyanate	624-83-9
Methyl Isothiocyanate	556-61-6
Methyl Mercaptan	74-93-1
Methyl Phenkapton	3735-23-7
Methyl Phosphonic Dichloride	676-97-1
Methyl Thiocyanate	556-64-9
Methyl Vinyl Ketone	78-94-4
Methylmercuric Dicyanamide	502-39-6
Methyltrichlorosilane	75-79-6
Metolcarb	1129-41-5
Mevinphos	7786-34-7
Mexacarbate	315-18-4
Mitomycin C	50-07-7
Monocrotophos	6923-22-4
Muscimol	2763-96-4
Mustard Gas	505-60-2
Nickel Carbonyl	13463-39-3
Nicotine	54-11-5
Nicotine Sulfate	65-30-5
Nitric Acid	7697-37-2
Nitric Oxide	10102-43-9
Nitrobenzene	98-95-3
Nitrocyclohexane	1122-60-7
Nitrogen Dioxide	10102-44-0
Nitrosodimethylamine	62-75-9
Norbormide	991-42-4
Organorhodium Complex	0

Ouabain	630-60-4
Oxamyl	23135-22-0
Oxetane, 3,3-Bis(Chloromethyl)-	78-71-7
Oxydisulfoton	2497-07-6
Ozone	10028-15-6
Paraquat Dichloride	1910-42-5
Paraquat Methosulfate	2074-50-2
Parathion	56-38-2
Parathion-Methyl	298-00-0
Paris Green	12002-03-8
Pentaborane	19624-22-7
Pentacarbonyl-Iron	13463-40-6
Pentadecylamine	2570-26-5
Peracetic Acid	79-21-0
Perchloromethylmercaptan	594-42-3
Phenol	108-95-2
Phenol, 2,2'-Thiobis(4-Chloro-6-Methyl)-	4418-66-0
Phenol, 3-(1-Methylethyl)-,Methylcarbamate	64-00-6
Phenoxarsine,10,10'-Oxydi-	58-36-6
Phenyl Dichloroarsine	696-28-6
Phenylhydrazine Hydrochloride	59-88-1
Phenylmercury Acetate	62-38-4
Phenylsilatrane	2097-19-0
Phenylthiourea	103-85-5
Phorate	298-02-2
Phosacetim	4104-14-7
Phosfolan	947-02-4
Phosgene	75-44-5
Phosmet	732-11-6
Phosphamidon	13171-21-6
Phosphine	7803-51-2
Phosphonothioic Acid, Methyl-, O-(4-Nitrophenyl) O-Phenyl Ester	2665-30-7
Phosphonothioic Acid, Methyl-, O-Ethyl O-(4-(Methylthio)Phenyl) Ester	2703-13-1
Phosphonothioic Acid, Methyl-, S-(2-(Bis(1Methylethyl)Amino)Ethyl) O-Ethyl Ester	50782-69-9
Phosphoric Acid, Dimethyl 4-(Methylthio)Phenyl Ester	3254-63-5
Phosphorothioic Acid, O,O-Dimethyl-S-(2-Methylthio) Ethyl Ester	2587-90-8
Phosphorus	7723-14-0
Phosphorus Oxychloride	10025-87-3

Phosphorus Pentachloride	10026-13-8
Phosphorus Trichloride	7719-12-2
Physostigmine	57-47-6
Physostigmine Salicylate	57-64-7
Picrotoxin	124-87-8
Piperidine	110-89-4
Pirimifos-Ethyl	23505-41-1
Potassium Arsenite	10124-50-2
Potassium Cyanide	151-50-8
Potassium Silver Cyanide	506-61-6
Promecarb	2631-37-0
Propargyl Bromide	106-96-7
Propiolactone, Beta-	57-57-8
Propionitrile	107-12-0
Propyl Chloroformate	109-61-5
Propylene Oxide	75-56-9
Propyleneimine	75-55-8
Prothoate	2275-18-5
Pyrene	129-00-0
Pyridine, 4-Nitro-,I-Oxide	1124-33-0
Pyriminil	53558-25-1
Salcomine	14167-18-1
Sarin	107-44-8
Selenious Acid	7783-00-8
Selenium Oxychloride	7791-23-3
Semicarbazide Hydrochloride	563-41-7
Silane, (4-Aminobutyl)Diethoxymethyl-	3037-72-7
Sodium Arsenate	7631-89-2
Sodium Arsenite	7784-46-5
Sodium Azide	26628-22-8
Sodium Cacodylate	124-65-2
Sodium Cyanide	143-33-9
Sodium Fluoroacetate	62-74-8
Sodium Selenate	13410-01-0
Sodium Selenite	10102-18-8
Sodium Tellurite	10102-20-2
Strychnine	57-24-9
Strychnine Sulfate	60-41-3

Sulfotep	3689-24-5
Sulfoxide, 3-Chloropropyl Octyl	3569-57-1
Sulfur Dioxide	7446-09-5
Sulfur Tetrafluoride	7783-60-0
Sulfur Trioxide	7446-11-9
Sulfuric Acid	7664-93-9
Tabun	77-81-6
Tellurium Hexafluoride	7783-80-4
TEPP	107-49-3
Terbufos	13071-79-9
Tetraethyllead	78-00-2
Tetraethyltin	597-64-8
Tetramethyllead	75-74-1
Tetranitromethane	509-14-8
Thallium Sulfate	10031-59-1
Thallos Carbonate	6533-73-9
Thallos Chloride	7791-12-0
Thallos Malonate	2757-18-8
Thallos Sulfate	7446-18-6
Thiocarbazide	2231-57-4
Thiofanox	39196-18-4
Thionazin	297-97-2
Thiophenol	108-98-5
Thiosemicarbazide	79-19-6
Thiourea, (2-Chlorophenyl)-	5344-82-1
Thiourea, (2-Methylphenyl)-	614-78-8
Tirpate	26419-73-8
Titanium Tetrachloride	7550-45-0
Toluene 2,4-Diisocyanate	584-84-9
Toluene 2,6-Diisocyanate	91-08-7
Tranid	15271-41-7
Trans-1,4-Dichlorobutene	110-57-6
Triamiphos	1031-47-6
Triazofos	24017-47-8
Tricarbonyl Methylcyclopentadienyl Manganese	12108-13-3
Trichloro(Chloromethyl) Silane	1558-25-4
Trichloro(Dichlorophenyl) Silane	27137-85-5
Trichloroacetyl Chloride	76-02-8

Trichloroethylsilane	115-21-9
Trichloronate	327-98-0
Trichlorophenylsilane	98-13-5
Triethoxysilane	998-30-1
Trimethylchlorosilane	75-77-4
Trimethylolpropane Phosphite	824-11-3
Trimethyltin Chloride	1066-45-1
Triphenyltin Chloride	639-58-7
Tris(2-Chloroethyl)Amine	555-77-1
Valinomycin	2001-95-8
Vanadium Pentoxide	1314-62-1
Vinyl Acetate Monomer	108-05-4
Warfarin	81-81-2
Warfarin Sodium	129-06-6
Xylylene Dichloride	28347-13-9
Zinc Phosphide	1314-84-7