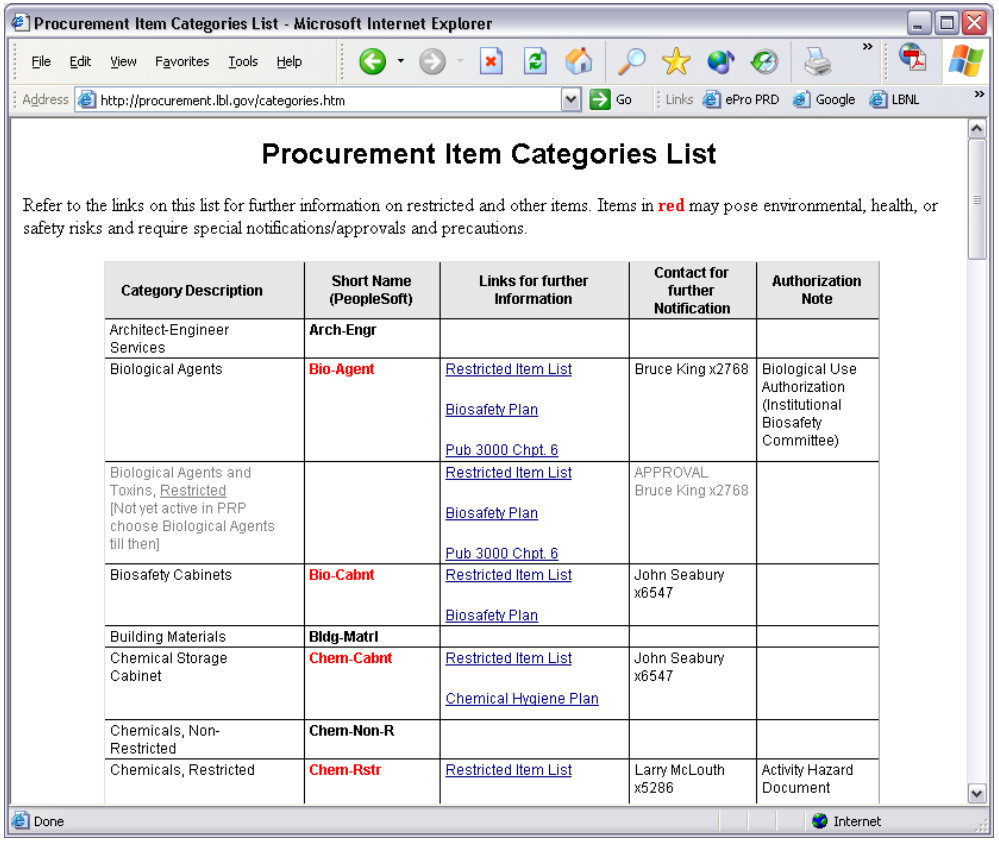
Restricted Item Training

Item Categories List



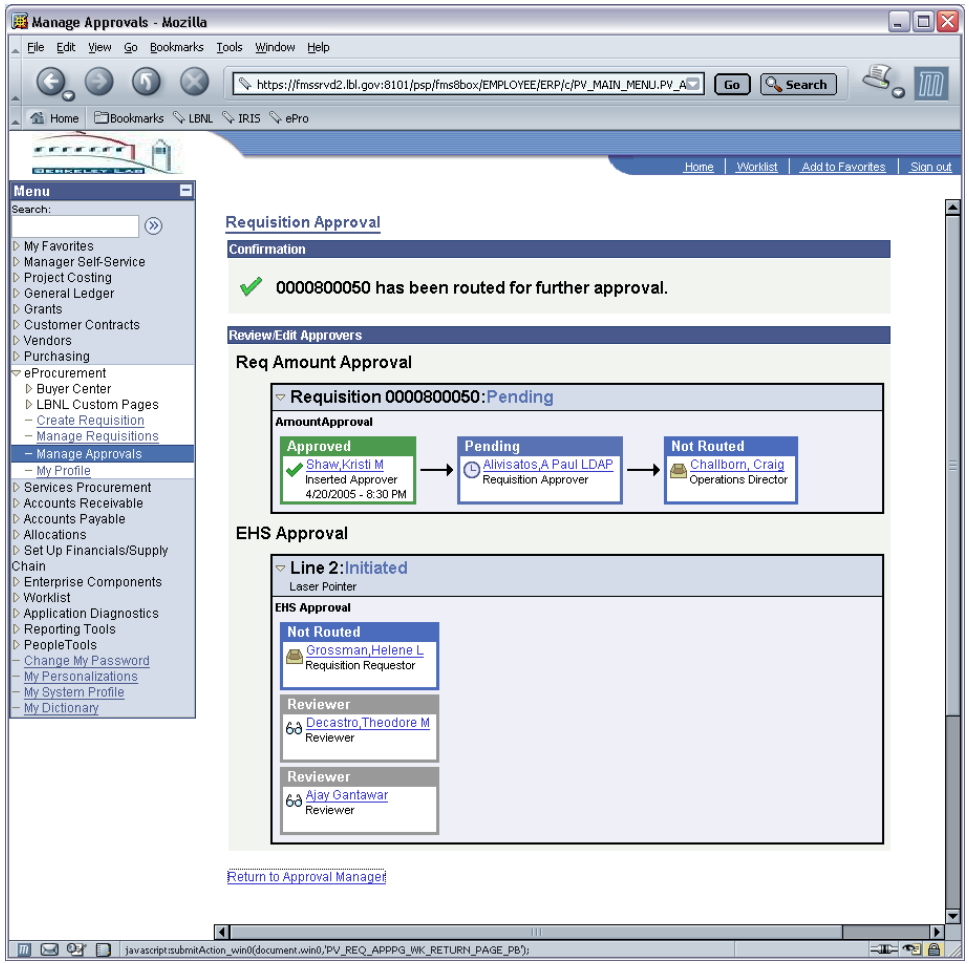
Procurement Item Categories List

Refer to the links on this list for further information on restricted and other items. Items in **red** may pose environmental, health, or safety risks and require special notifications/approvals and precautions.

Category Description	Short Name (PeopleSoft)	Links for further Information	Contact for further Notification	Authorization Note
Architect-Engineer Services	**Arch-Engr**			
Biological Agents	**Bio-Agent**	Restricted Item List Biosafety Plan Pub 3000 Chpt. 6	Bruce King x2768	Biological Use Authorization (Institutional Biosafety Committee)
Biological Agents and Toxins, Restricted [Not yet active in PRP choose Biological Agents till then]		Restricted Item List Biosafety Plan Pub 3000 Chpt. 6	APPROVAL Bruce King x2768	
Biosafety Cabinets	**Bio-Cabnt**	Restricted Item List Biosafety Plan	John Seabury x6547	
Building Materials	**Bldg-Matrl**			
Chemical Storage Cabinet	**Chem-Cabnt**	Restricted Item List Chemical Hygiene Plan	John Seabury x6547	
Chemicals, Non-Restricted	**Chem-Non-R**			
Chemicals, Restricted	**Chem-Rstr**	Restricted Item List	Larry McLouth x5286	Activity Hazard Document

- It is critical that ePro items be properly categorized
- Items are automatically sent to EH&S reviewers and approvers IF properly categorized
- Get a proper category from requester
- Items in red need special EH&S reviews / approvals

ePro EH&S Requisition Approval/Review



What is A Restricted Item?

- There are many types of restricted items… computers… furniture… services…
- From an EH&S perspective, a *Restricted Item*:
  - Has inherent safety hazards
  - Requires special controls and/or authorizations, and
  - If handled improperly, may: hurt people, harm the environment, damage equipment and result in citations or DOE Reportable Occurrences
- For these reasons, purchasing Restricted Items needs to be controlled

Restricted Item List

- Procurement Dept maintains the Restricted Item List
  - The *most current version* available via LBNL Home Page "A to Z Index"
  - Restricted Item List is subject to change
- ES&H related items are grouped together
  - EH&S Division POCs and phone extensions are listed
  - Note: *notification* versus *approval* (more later)

What Do We Want You To Do?

Ask the Requester if an item is Restricted/Sensitive/Hazard

When you prepare a requisition:

- ***Determine*** if item is on the Restricted Item List
  - Go to LBNL's A-Z index and select "Restricted Items List"
  - Use PDF *binocular view* to find item
- ***Categorize*** item by selecting the most appropriate Category when filling out *eProcurement Line Information*

Conclusion

- Requesters need to be aware of the Lab's Restricted Item purchasing process
  - They should already know this & that controls/authorizations are needed…but preparers can remind them
- Check items against the Restricted Item List
  - Use the Web based version for the current list
  - Use the PDF binocular view to find the item on the list
  - Still unsure? Contact EH&S
- Correctly categorize items in ePro
  - This is important - it flags materials that require approval

Restricted Item Training Credit

To get credit for Restricted Item Training (EHS0012), do one of the following:

- Attend the eProcurement Requisition Preparer Training class (FSD0500) OR
- Take the EHS0012 Restricted Item Training challenge exam at this location:

  http://ehswprod.lbl.gov/EHSTraining/ChallengeExams

Procurement Item Categories List

Refer to the links on this list for further information on restricted and other items. Items in **orange** may pose environmental, health, or safety risks and require special notifications/approvals and precautions.

Category Description	Short Name (PeopleSoft)	Links for further Information	Contact for further Notification	Authorization Note	Consider Specifying Recycled, EnergyStar, & Biobased Products
Architect-Engineer Services	**Arch-Engr**				Y
Biological Agents	**Bio-Agent**	Restricted Item List Biosafety Plan Pub 3000 Chpt. 6	Bruce King x2768		
Biological Agents and Toxins, Restricted	**Biotx**	Restricted Item List Biosafety Plan Pub 3000 Chpt. 6	APPROVAL Bruce King x2768	Biological Use Authorization (Institutional Biosafety Committee)	
Biosafety Cabinets	**Bio-Cabnt**	Restricted Item List Biosafety Plan	Herb Toor x5918		Y
Building Materials	**Bldg-Matrl**				Y
Chemical Storage Cabinet	**Chem-Cabnt**				Y
Chemicals, Non-Restricted	**Chem-Non-R**				
Chemicals, Restricted	**Chem-Rstr**	Restricted Item List Chemical Hygiene Plan Pub 3000 Chpt. 6	Larry McLouth x5286	Activity Hazard Document	
Clothing	**Clothing**				
Computer, CPU	**Comp-CPU**				Y
Computer Hardware (accessories)	**Comp-Hdwr**				Y
Computer Software	**Comp-Sware**				
Construction Services	**Constructn**				Y
Containers, Packaging	**Containers**				Y
Drugs / Precursors	**Drugs/Prec**	Restricted Item List Pub 3000 Chpt. 6	John Morgan x5728 (Req Notification)	Human Subject or Animal Welfare Research Committee	
Electrical Supplies	**Elctrc-Sup**	EH&S Operating and Assurance Plan			Y
Electronic Equipment	**Elct-Equip**	Restricted Item List			Y
Electronic Supplies	**Elctrn-Sup**	EH&S Operating and Assurance Plan			Y
Fabrications	**Fab**				Y
Fasteners, Non-Graded	**Fasteners**				
Fasteners, Graded	**Fstner-Grd**	EH&S Operating and Assurance Plan			
Food / Water / Feed	**Food/Water**				
Fuels / Lubricants	**Fuels/Lub**				Y
Fume Hoods	**Fume hood**	Restricted Item List Pub 3000 Chpt. 4	Scott Robinson x7955		Y
Furniture / Furnishings	**Furniture**		APPROVAL Bernie Canio x6722		Y
Gas Cabinet	**Gas-Cabnt**	Restricted Item List Pub 3000 Chpt. 13	John Seabury x6547		Y
Gases, Non-Restricted	**Gas-Non-R**	(for example, nitrogen gas)			
Gases, Hazard/Toxic	**Gas-Hazrd**	Restricted Item List Pub 3000 Chpt. 13	APPROVAL John Seabury x6547 Larry McLouth Joe Dionne	Activity hazard Document	

		Pub 3000 Chpt. 6			
Glove Boxes	**Glove Box**	Restricted Item List	Scott Robinson x7955		Y
Hardware & Abrasive	**Hdwr-Abr**				
Heat/Ventilation/Air C (air conditioning)	**HVAC**				Y
Isotopes / Radioactive	**Isotopes**	Restricted Item List Pub 3000 Chpt. 21 Pub 3000 Chpt. 6	Steve Sohner x6228	Rad Work Permit or Sealed Source Auth	
Janitorial Supplies	**Janitorial**				Y
Laboratory Equipment	**Lab-Equip**				Y
Laboratory Supplies	**Lab-Supply**				
Laminar Flow Hood	**Laminar Fl**	Restricted Item List	Scott Robinson x7955		Y
Laser Equipment	**Laser**	Restricted Item List Pub 3000 Chpt. 16 Pub 3000 Chpt. 6	Ken Barat x2544	Activity Hazard Document	Y
Landscape/Site Maintenance	**Landscape**				Y
Lease, Equipment	**Lease-Eqip**				Y
Lease, Real Property	**Real-Prop**				
Lease To Own	**Lease-Own**				Y
Live Specimens	**Live Spcmn**	Pub 3000 Chpt. 22 Pub 3000 Chpt. 6	LBNL Human and Animal Regulatory Committees	Human Subject or Animal Welfare Research Committee	
Maintenance Materials	**Maint Matl**				Y
Maintenance Mechanical	**Maint Mechl**	For filters, submit the HEPA Approval Form	For filters, see Herb Toor x5918		
Microwave sources & ovens for laboratory use	**Microwave**	Restricted Item List Microwave-Refrigerator-Freezer Approval Form	Ken Barat x2544		Y
Equipment, Office	**Ofc-Equip**				Y
Office Supplies / Forms	**Ofc-Supply**				Y
Paint / Coatings	**Paint/Coat**				Y
Periodicals, Books	**Periodical**				
Plant Equipment	**Plant-Eqp**				Y
Photo, Xerox, Graphic	**Photo,xero**				Y
Plumbing Supplies	**Plumb Supp**				
Precious Metals	**Prc-Metals**	Restricted Item List	John Morgan x5728 (Req Notification) Not EH&S Division		
Printing / Bindery	**Printing**				Y
Project Management - PMR	**Proj Mgt**			Needs Budget Office authorization	
R and D	**R and D**				Y
Raw Material Stock	**Raw Matrl**				Y
Refrigerants, Ozone Depleting Substances	**Refrgerants**	Restricted Item List Pub 3000 Chpt. 11	Pat Thorson x5852		Y
Refrigerator / Freezer for flammable liquid storage	**Refrgrator**	Refrigerator-Freezer Approval Form Restricted Item List Chemical Hygiene Plan			Y
Safety Equipment / Supplies - Respiratory protective equipment	**Safety Eqp**	Restricted Item List Pub 3000 Chpt. 4	Herb Toor x5918 Larry McLouth x5286	Respiratory Protection Program	
Services, Advertising	**Advertisng**				
Services, Consultant	**Consultnt**	Attach the following to Line 1 of the ePro requisition:			

		Request for Consultant/Personal Services Agreement OCI Pre-Procurement Fact Sheet			
Services, Contract Labor	**Ctr Labor**				
Services, Contract Recruiters	**Ctr Rectr**				
Services, Employment Agency	**Emp Agency**				
Services, Freight	**Freight**				Y
Services, Medical / Dental / Vet	**Med/Dent**				
Services, Miscellaneous	**Srvcs-Misc**				Y
Services, PSA (Personal Services Agreement)	**PSA**	Attach the following to Line 1 of the ePro requisition: Request for Consultant/Personal Services Agreement OCI Pre-Procurement Fact Sheet			
Services,Telecommunication	**Telecom**				
Services, UC Labor	**UC Labor**				
Stores	**Stores**				
Surplus / Excess	**Surplus/Ex**				
Tools	**Tools**				
Utilities, Electric	**Utily Elec**				Y
Utilities, Other	**Utily Othr**				Y
Vehicles / Parts	**Vehicles/P**				Y
X-Ray Equipment	**X-Ray**		APPROVAL Robert Fairchild 495-2278		Y

10/13/09

RESTRICTED ITEMS LIST

October 2009

The Restricted Items List has two sections: *Prohibited Items* and *Special Treatment Items*.

PROHIBITED ITEMS

Prohibited Items are items the Laboratory is prohibited by its Prime Contract with DOE from purchasing with Government funds without special approval. *Prohibited Items* are not to be purchased using PCard, eBuy or B2B System Contracts. These items may be purchased on regular purchase orders only after DOE approval is obtained.

ITEM	REFERENCE
ANY ITEM THAT IS NON-ESSENTIAL FOR LABORATORY BUSINESS	SP 31.3 Unallowable Expense
Advertising to Promote the University	Jeff Miller or Lynn Yarris
Beverage, Alcohol	SP 31.3
Bindery Services	Rich Watson
Bonds (other than construction, performance, labor, and material bonds)	Facilities
Contributions & Donations	SP 31.3
Copying (Photo)	Rich Watson
Decorative Items	SP 31.3
Duplicating Services	Rich Watson
Entertainment expense	SP 31.3
Fines or penalties caused by willful misconduct	SP 31.3
Framing for personal use	SP 31.3
Gifts	SP 31.3
Insurance (including value declarations)	SP 31.3
Hospitals and related medical services	SP 31.3
Housing	SP 31.3
License fees (except software license, without terms and conditions)	SP 13.1
Lobbying costs	
Lodging costs	Anil More
Luxury Items (e.g. leather bound desk accessories, grades above what is absolutely necessary to accomplish the Lab's mission)	SP 31.3
Memberships in social, dining, or country clubs	SP 31.3
Ornamental items (pictures, plants, etc.)	SP 31.3
Permits	SP 31.3
Personal Property (items of a personal nature, e.g. microwave oven, coffee pot, radio, refrigerators, etc.)	SP 31.3

ITEM	REFERENCE
Personal property for employees (reimbursement due to loss)	SP 31.3
Photocopying	Rich Watson
Promotional items, memorabilia, models, gifts, and souvenirs	SP 31.3
Quality Affected Project Items for Yucca Mountain	Earth Sciences – Peter Lau
Recreational equipment	SP 31.3
Royalties on Patents	SP 31.3

RESTRICTED ITEMS LIST
October 2009

SPECIAL TREATMENT ITEMS

Special Treatment Items require special approvals, controls, or safety measures. These items may only be purchased when the specified requirements are met. Items marked with an asterisk (*) may not be purchased using a PCard or a B2B Systems Contract and must be purchased using a purchase order. **Items purchased through the eBuy application are automatically routed to the designated EH&S contacts for approval or review. eBuy users must still comply with safety and other requirements associated with the items on this list.**

Miscellaneous Items

ITEM	REFERENCE	DPU Y/N
Abatement	EH&S	N
Asbestos	EH&S	N
Auditing services by CPA's	Internal Audit	N
Automated External Defibrillation (AED) Equipment	EH&S – Susan Broadway	Y
Automotive Accessories (not original equipment)	Facilities	Y
Automotive – Gas or Electric - Rental or Purchase	Facilities	N
Background Checks and Degree Verifications	Human Resources	N
Biological agents (see below on list)	EH&S	Y
Biosafety cabinets	EH&S	Y
Breathing Apparatus	EH&S	Y
Business cards	Rich Watson	N
* Cameras Digital, Still, & Video	Sensitive item	Y
Carpets	Facilities	N
* CD Recorders	Sensitive item	Y
* CD Writers	Sensitive item	Y
Cell Phones (purchase & rental)	Richard Gregory	N
Cell Phone Providers	Richard Gregory	N
Chairs	SP 31.3	Y
Chemicals (selected chemicals see below on lists)	EH&S	Y
* Computer CD, DVD as external devices	Sensitive item	Y
Computers, CPU's, Servers, Sensitive Property		Y
Conferences, all types – including reservations for conferences or hosted by the Laboratory	Anil More	N
Confined Space Work (construction)	EH&S	N
Construction work, including on University-owned Buildings (e.g. Campus Buildings: Donner, Hearst, etc.)	Facilities	N
Consultants (Expert Technical Assistance)		N

ITEM	REFERENCE	DPU Y/N
* Controlled property – equip $5k and above + life expectancy >2 yrs. unless tagged by vendor	John Morgan	Y
Copy machines	Blanket contract	N
Corrosive storage cabinets	EH&S	Y
Cranes	Facilities Crane/Elevator Office (Larry Begley) for purchase approval	N
Degree Verifications and Background Checks	Human Resources	N
Demolition Involving Lead and Confined Spaces	EH&S	N
Deposits (cylinders, reels, etc.)		N
Deuterium gas (D2)	EH&S	N
* Dictating Recorders	Sensitive item	Y
Draperies	Facilities	N
Drench hoses	EH&S	Y
Drug Precursors (see below on list)	EH&S	N
Dust masks (see below note on dust masks)	EH&S	Y
* DVD Recorders	Sensitive item	Y
* DVD Writer	Sensitive item	Y
Ear Muffs	EH&S	Y
Ear Plugs	EH&S	Y
Eavesdropping devices	Security	N
Electron microscopes		Y
Equipment Producing Ionizing and Non-Ionizing Radiation	EH&S	N
Excess materials	Facilities	N
* Exchanges (must notify Property Manager & Property Accounting)	John Morgan and Eric Chow	Y
Explosives (see below on list)	EH&S	N
* External Hard Drives	Sensitive item	Y
Eyewashes	EH&S	Y

RESTRICTED ITEMS LIST
October 2009

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Miscellaneous Items

ITEM	REFERENCE	DPU Y/N
* Fabrications (based on drawings, etc.)	SP 13.1	Y
Family Radio Service	Robert Ngim	N
Fasteners, grade 5 and above – hex head cap screws	Michelle Flynn – Office of Assessment and Assurance	N
* Fax Machine – All in One	Sensitive item	Y
Filtering equipment used to control airborne contaminant emissions (e.g., HEPA filters)	EH&S	Y
Fire Extinguishers	EH&S	N
Flammable storage cabinets	EH&S	Y
Food for employees/meetings		N
Foreign origin, material value >$3,000 unless previously approved by a Procurement Supervisor		Y
Freezers	EH&S & SP 31.3	Y
Fume hoods ***(if vendor installed NO)***	Facilities & EH&S	Y
Furniture, household, office-quarters, filling cabinets	SP 31.3 Must be approved by Laura Chen or Bernie Canio	Y
Gas cabinets	EH&S	Y
Gases (see below Gases list)	EH&S	N
Glove boxes	EH&S	Y
* Hard Drives – External	Sensitive item	Y
Hearing Protection	EH&S	Y
Heavy water (D20)		N
Helium	EH&S	N
HEPA Filtered Vacuum cleaners and attached filtering	EH&S	Y

ITEM	REFERENCE	DPU Y/N
Hoists	Facilities Crane/Elevator Office (Larry Begley) for purchase approval	N
Hoods ***(if vendor installed NO)***	Facilities & EH&S	Y
Hoods, lab fume ***(if vendor installed NO)***	Facilities & EH&S	Y
Instruments containing radioactive sealed sources (see below on list)	EH&S	N
Internet Service Providers		N
Intra-University Transactions (UC Regents Orders)		N
* iPod	Sensitive Item	Y
Laminar airflow hoods ***(if vendor installed NO)***	EH&S	Y
Laser Protective Eyewear	EH&S	Y
Lasers (excluding laser pointers)	EH&S	Y
Lead	EH&S – notify Tim Roberts	Y
Lead Abatement (construction)	EH&S	N
Lead Containing Products	EH&S – notify Tim Roberts	Y
Lead Shielding	EH&S – notify Tim Roberts	Y
Leases		N
Machine tools (e.g. large lathes, etc.)		Y
Microwave and Radiowave Sources (see below on list)	Robert Ngim	N
Microwave Ovens	EH&S & SP 31.3	Y
* MP3 Player	Sensitive item	Y
* Multi-Functional Office Equipment (printers, copiers /all in one units/)	Sensitive item	Y
Narcotics, Drugs-Controlled	EH&S	N

RESTRICTED ITEMS LIST
October 2009

SPECIAL TREATMENT ITEMS

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Miscellaneous Items

ITEM	REFERENCE	DPU Y/N
Office Equipment Repairs – Typewriters	John Morgan	Y
On-Site Service, repairs etc., not included on the Designated Commercial Services list and/or in a hazard work area (restricted - all construction related work including fencing, roofing, carpet, window replacement, etc.) see SP 28.2	EH&S	Y
Over the Counter Medications, (aspirin, etc.)	Medical	N
Ozone Depleting Substances (See below on list for Trade/Chemical Name)	EH&S	N
Pagers	Richard Gregory	N
* Personal Data Assistants/PDA/ all Personal Digital Assistants & Organizers with a PC Connection / iPod /Hand Held Computers/ MP3Player	Sensitive Item	Y
Precious metals (gold, iridium, osmium, palladium, platinum, rhodium, ruthenium, and silver)	Controlled Item	Y (< $250 per line item)
Printing services	Rich Watson	N
* Printers	Sensitive item	Y
Printing equipment	Blanket contract	N
* Property, controlled (see controllable property)	John Morgan	Y
Radioactive materials and isotopes (see below on list)	EH&S	N
Radio Frequency Spectrum Dependent Devices (portable, mobile, microwave, CB's, family radio service, 2 way radios). Used for communication	Robert Ngim	N

ITEM	REFERENCE	DPU Y/N
Reactive chemicals (see below on list)	EH&S	Y
Real Property (land, buildings, lease, purchase or improvements)	Construction	N
* Recorders /CD, DVD, Dictating & Video/	Sensitive item	Y
Refrigerators	EH&S & SP 31.3	Y
Renovation	EH&S	N
Rentals (Not to Exceed 30 days, no terms and conditions)	Distributed Procurements Policy and Guidelines	Y
Respirators (See below note on dust masks)	EH&S	N
Rigging Equipment	Facilities Crane/Elevator Office ((Larry Begley) for purchase approval	N
Safety Shoes	EH&S	N
Safety Showers	EH&S	Y
SANR		N
Scales, Industrial (Calibration Certification requirements)		N
* Sensitive Items (Cameras, Video Projectors, Printers, Recorders (CD, DVD, Dictating & Video), Video Cameras (TV, Movie & Video), Personal Data Assistants (PDA's, MP3 Player, iPod – hand held computers), Multi-Functional Office Equipment (printers, copiers /all in one units/)	Sensitive item	Y
Services (on-site Berkeley Lab) see On-Site Services SP 28.2		Y
Servers		Y
* Signs containing tritium	EH&S	Y

RESTRICTED ITEMS LIST
October 2009

SPECIAL TREATMENT ITEMS

Special Treatment Items require special approvals, controls, or safety measures. These items may only be purchased when the specified requirements are met. Items marked with an asterisk (*) may not be purchased using a PCard or a B2B Systems Contract and must be purchased using a purchase order. **Items purchased through the eBuy application are automatically routed to the designated EH&S contacts for approval or review. eBuy users must still comply with safety and other requirements associated with the items on this list.**

Miscellaneous Items

ITEM	REFERENCE	DPU Y/N
Slings	Facilities Crane/Elevator Office ((Larry Begley) for purchase approval	N
Telecommunications/Telephone Equipment (e.g. pagers, headsets, telephone, cell phones, cell phone providers, internet service providers, remote access services to Lab)	Richard Gregory	N
Towing	Blanket (Insurance Requirements)	N
* Trade-ins (must notify Property Manager & Property Accounting)	John Morgan & Eric Chow	Y
Training Classes (on-site Berkeley Lab exception: if no industrial or chemical hands-on activity is required – see SP-28.2)		Y
Training Classes (off-site if travel over 150 miles)	Anil More	N
Transportation	Facilities	N
Travel	Anil More	N
UC Regents Orders (Intra-University Transactions)		N
X-ray equipment including accessory devices	EH&S	Y
Vacuum cleaners HEPA Filtered and attached filtering	EH&S	Y
Vehicle – Gas or Electric – Rental or Purchase	Facilities	N
* Video Cameras – TV, Movie & Video	Sensitive item	Y
* Video Projectors portable	Sensitive item	Y
* Video Recorders	Sensitive item	Y
Wireless networking access points		N

RESTRICTED ITEMS LIST
October 2009

SPECIAL TREATMENT ITEMS

ALL ITEMS ON THE RESTRICTED ITEM LIST ARE RESTRICTED FROM B2B BUYING. Items purchased through the eBuy application are automatically routed to the designated EH&S contacts for approval or review. eBuy users must still comply with safety and other requirements associated with the items on this list.

EH&S – RELATED RESTRICTED ITEMS

Drug Precursors

Notification: The following Drug Precursors may not be purchased with a PCard or B2B Systems Contract., **they can be purchased on eBuy**. They are subject to controls established by EH&S.

1,2-(Methylenedioxy)-4-(2-propenylbenzene
1,2-(Methylenedioxy)-4-(1-propenylbenzene)
1-alpha-[1-(ethylmethylamino)ethyl]benzylc alcohol
1-Ethylephedrine
1-Phenyl2-methylaminopropanol
1-Phenyl-1-hydroxy-2-methylaminopropane
1-Phenyl-2-keto-propan
2,4,6-Trihydroxy-primidine
2-Aminobenzoic Acid
2-Carbomethoxy-3-tropanone
2-Keto-3-phenyl-propane
2-Methylamino-1-phenyl-1-propanol
2-Methylethylamino-1-phenyl-1-propanol
2-N-Acetyl-2-aminobenzoic Acid
2-phenylacetic Acid
3,4-(Methylenedioxy)-benzene - Any compounds with this in it.
3,4-(Methylenedioxy)-5-benzaldehyde
3-(2-aminoethyl)-indole
4-[2-(Dimethylamino)-1-hydroxyethyl]-1,2-benzenediol
9,10-didehydro-6-methylergoline-8-beta-carboxylic Acid

- A -
Adrenalin
Aminobenzoic Acid - Any chemicals with this in it.
Amino-benzyl alcohol
Amino-N-acetylbenzoic Acid
Anthranilamide
Anthranilic Acid - Any chemicals with this in it, e.g. Anthranilic Ethyl Ester. **(CSA)**
alpha-aminoethyl-3,4-dihydroxy-benzyl alcohol
alpha-hydroxy-beta-methylaminopropylbenzene
alpha-toluene cynide
alpha-tolunitrile
alpha-(1-aminoethyl)-benzyl alcohol
alpha-(3,4-Dihydroxyphenyl)-2-dimethylaminoethanol
alpha-[1-Methylamino)ethyl]benzyl alcohol
alpha-[1-Ethylmethylamino)ethyl]benzenemethanol
alpha-[1-(Methylamino)ethyl]benzenemethanol
alpha-[(Dimethylamino)methyl]-3,4-dihydroxy benzylalcohol

- B -
Barbital
Barbitone
Barbituric Acid - Any chemicals listed with Barbituric Acid.
Benzeneacetonitrile
Benzyl Cyanide **(CSA)**
Benzaldehyde **(CSA)**
Bromocryptin

- C -
Chloroephedrine
Chloropseudoephedrine

- D -
Diethylmalonate
Diethylmalonic Acid
d-Lysergic Acid

- E -
Ephedrine **(CSA)**
Ephedrine - Any chemical with this in it. **(CSA)**
Ergo - Any chemical name with this in it, e.g. Bromo-alpha-ergocrypt.
Ergo - Any compounds with this in it.
Ergonovine Maleate
Ergonovine and it's salts **(CSA)**
Ergot - Any chemical name with this in it, e.g. Bromo-alpha-ergocrypt
Ergotamine Tartrate
Ergotamine and it's salts **(CSA)**
Ethyl Malonic Acid
Ethylamine **(CSA)**
Ethyl Malonic Acid
Ethylamine
Ethylmalonate
etafedrine

- H -
Hexahydropyridine
Hydriotic Acid **(CSA)**

- I -
Isosafrole **(CSA)**

- L –
LSD

(CSA) = California Substance Act

RESTRICTED ITEMS LIST
October 2009

SPECIAL TREATMENT ITEMS

ALL ITEMS ON THE RESTRICTED ITEM LIST ARE RESTRICTED FROM B2B BUYING. Items purchased through the eBuy application are automatically routed to the designated EH&S contacts for approval or review. eBuy users must still comply with safety and other requirements associated with the items on this list.

EH&S – RELATED RESTRICTED ITEMS

LSD-50
Lyserg- (followed by additional chemical names)

- M -
Malonic Acid Diethyl Ester
Malonic Acid
Menetryl
Methylamine **(CSA)**
Morpholine
methylenedioxy- - Any chemicals with this in it.
3,4 – Methylenedioxyphenyl 1-2-Propanone **(CSA)**

- N -
Nitroethane **(CSA)**
Norephedrine
Norpseudoephedrine **(CSA)**
Norpseudoeprine
Novedrin
N-Ethylephedrine
N-Methyladrenaline
N-Methylepherdrine **(CSA)**
N-Methylpseudoephedrine **(CSA)**
n-Acetylanthranilic Acid **(CSA)**
n-Ethylpseudoephedrine
n-(1-phenethyl)-piperidine-4-one
n-(1-phenethyl-4-piperidinyl)-aniline

- O -
omega-cyanotoluene
o-Aminobenzoic Acid

- P -
Phenylacetic Acid **(CSA)**
Phenylacetone
Phenylacetonitrile
Phenylethylamine
Phenylpropanolamine **(CSA)**
Pheny-2-propanone
Phosphorous, red
Piperdine-HC1 or Piperdine-HBr
Piperidine **(CSA)**
Piperonal **(CSA)**
Propanedioic Acid
Pseudoephedrine **(CSA)**
Pseudoephedrine - Any chemical with this in it.
Propionic Anhydride **(CSA)**
Pyrolidine

- S -
Safrole **(CSA)**
Sulfurous Oxychloride

- T -
Tetrahydropyrrole
Tetrahydro-1-4-oxazine
Thionyl Chloride
Thionyldichloride
Tropan - Any chemicals with this in it
Tropine
Tropine - Any chemicals with this in it.
Tropolone
Tryptamine Hydrobromide
Tryptamine Hydrochloride
Trytamine

- V -
Veronal

(CSA) = California Substance Act

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SPECIAL TREATMENT ITEMS

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EH&S – RELATED RESTRICTED ITEMS

Engineered Nanomaterials

Notification: Larry McLouth ext. 5286

Carbon Nanotubes

TiO2 (Titanium dioxide) – "nanoscale" TiO2 only

Laboratory Safety Equipment

Notification: John Seabury ext. 6547

Fume hoods
Gas cabinets
Glove boxes
Hoods (for ventilation)
Laminar airflow hoods

Approval: Herb Toor ext. 5918

Noise Reducing Headsets

Notification: Herb Toor ext. 5918

Ear Plugs

Notification: Larry McLouth ext. 5286

Acid storage cabinets
Corrosive storage cabinets
Flammable storage cabinets
Freezers (for lab use)
Refrigerators (for lab use)

Notification: Scott Robinson ext. 7955

Eyewashes

Safety showers

Notification: Herb Toor ext. 5918

BioSafety cabinets

HEPA Filter Containing Devices

Notification: Herb Toor ext. 5918

HEPA filters and HEPA filter devices

HEPA filtered vacuum cleaners

Respirators - Dust Masks

Approval: Herb Toor ext. 5918

Respiratory protection equipment is purchased and distributed by the EH&S Industrial Hygiene Group. Filtering face piece respirators, commonly known as dust masks, are a type of respiratory protection equipment and are classified as a restricted item. However, filtering face piece respirators may be purchased by employees submitting a requisition using a purchase order, in accordance with the procurement system's restricted items policy. **The requisition item category is Safety Equipment.**

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EH&S – RELATED RESTRICTED ITEMS

Dust mask use is limited to employees who have completed EHS 0311 – Respirator Awareness Training (Dust Masks). For questions about dust masks contact and Industrial Hygienist or Herb Toor at 486-5918.

Biological Agents and Biotoxins

Approval: Bruce King ext. 2768

Restricted "Biological Agents and Biotoxins" include all agents and biotoxins listed below and all Risk Group 3 and 4 biological agents (not listed below). "Agents" include the agent (i.e., organism) and all sub-units (e.g., genetic elements, recombinant nucleic acids) and strains (e.g.,recombinant organisms) of the agents. If needed, risk group classifications for many infectious agents can be found at the American Biological Safety Association web page at http://www.absa.org/resriskgroup.html or sometimes the vendor web page (e.g., ATCC at http://www.atcc.org/TechnicalInfo/HowToReviveCultures.cfm).

HHS NON-OVERLAP SELECT AGENTS & TOXINS

- Crimean-Congo haemorrhagic fever virus
- *Coccidioides posadasii*
- Ebola viruses
- Cercopithecine herpesvirus 1 (Herpes B virus)
- Lassa fever virus
- Marburg virus
- Monkeypox virus
- *Rickettsia prowazekii*
- *Rickettsia rickettsii*
- So. American haemorrhagic fever viruses
  - Junin
  - Machupo
  - Sabia
  - Flexal
  - Guanarito
- Tick-borne encephalitis complex (flavi) viruses
  - Central European tick-borne encephalitis
  - Far Eastern tick-borne encephalitis
  - Russian spring and summer encephalitis
  - Kyasanur forest disease
  - Omsk hemorrhagic fever
- Variola major virus (Smallpox virus)
- Variola minor virus (Alastrim)
- *Yersinia pestis*
- Abrin
- Conotoxins
- Diacetoxyscirpenol
- Ricin
- Saxitoxin
- Shiga-like ribosome inactivating proteins
- Tetrodotoxin

USDA HIGH CONSEQUENCE LIVESTOCK PATHOGENS AND TOXINS/ SELECT AGENTS (OVERLAP AGENTS)

- Akabane virus
- African swine fever virus
- African horse sickness virus
- Avian influenza virus (highly pathogenic)
- Blue tongue virus (Exotic)
- Bovine spongiform encephalopathy agent
- Camel pox virus
- Classical swine fever virus
- *Cowdria ruminantium* (Heartwater)
- Foot and mouth disease virus
- Goat pox virus
- Lumpy skin disease virus
- Japanese encephalitis virus
- Malignant catarrhal fever virus (Exotic)
- Menangle virus
- *Mycoplasma capricolum*/ M.F38/*M. mycoides capri*
- *Mycoplasma mycoides mycoides*
- Newcastle disease virus (VVND)
- Peste Des Petits Ruminants virus
- Rinderpest virus
- Sheep pox virus
- Swine vesicular disease virus
- Vesicular stomatitis virus (Exotic)

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EH&S – RELATED RESTRICTED ITEMS

HIGH CONSEQUENCE LIVESTOCK PATHOGENS AND TOXINS/ SELECT AGENTS (OVERLAP AGENTS)	LISTED PLANT PATHOGENS
• *Bacillus anthracis* • *Brucella abortus* • *Brucella melitensis* • *Brucella suis* • *Burkholderia mallei* (formerly *Pseudomonas mallei*) • *Burkholderia pseudomallei* (formerly *Pseudomonas pseudomallei* • Botulinum neurotoxin producing species of *Clostridium* • *Coccidioides immitis* • *Coxiella burnetii* • Eastern equine encephalitis virus • Hendra virus • *Francisella tularensis* • Nipah Virus • Rift Valley fever virus • Venezuelan equine encephalitis virus • Botulinum neurotoxin • *Clostridium perfringens* epsilon toxin • Shigatoxin • Staphylococcal enterotoxin • T-2 toxin	• *Liberobacter africanus* • *Liberobacter asiaticus* • *Peronosclerospora philippinensis* • *Phakopsora pachyrhizi* • Plum Pox Potyvirus • *Ralstonia solanacearum* race 3, biovar 2 • *Schlerophthora rayssiae* var *zeae* • *Synchytrium endobioticum* • *Xanthomonas oryzae* • *Xylella fastidiosa* (citrus variegated chlorosis strain)

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EH&S – RELATED RESTRICTED ITEMS

Class I Ozone Depleting Substances

Notification: Pat Thorson ext. 5852

Ozone depleting substances are found in adhesives, coating, inks, foams, aerosols, fire suppression and explosion protection, air conditioning and refrigeration, and solvent cleaning. The following are Class I, Ozone Depleting Substances:

Trade Name	Chemical Name & Synonyms – Trademark Name	Trade Name	Chemical Name & Synonyms – Trademark Name
CFC-11	**Trichlorofluoromethane 75-69-4]** Aigofrene Type 1; Arcton 9; Electro-CF 11; Eskimon 11; F11; FC 11; Fluorocarbon 11; Fluorotrichloromethane; Freon-11; Frigen 11, Genetron 11; Halocarbon 11; Halon 11; Isceon 131; Isotron 11; Kaltron 11, Khaladon 11; Ledon 11; Monofluorotrichloromethane, Propellent 11, Trichlorofluoromethane; Trichloromonofluoromethane	**CFC-112**	**1,2-Difluorotetrachloroethane [76-12-0]** 1,2-Difluoro-1,1,2,2-Tetrachloroethane; Fluorocarbon 112; Freon112, Halocarbon 112; Refrigerant 112; 1,1,2,2-Tetrachlorodifluoroethane; 1,1,2,2-Tetrachloro-1,2-Difluoroethane
CFC-12	**Dichlorodifluoromethane [75-71-8]** Algofrene Type 2; Arctron 6; Arcton 12; Difluorodichloromethane; Electro-CF12; Eskimon 12; F 12; FC 12; Fluorocarbon 12; Freon-12; Frigen 12; Genetron 12; Halocarbon 12; Halon 122, Isotron 2; Ledon 12; Propellent 12; R-12; Refrigerant 12; Refrigerant R12	**CFC-211**	**Heptachlorofluoropropane [422-78-6** None
CFC-113	**1,1,2-trichloro- 1,2,2-trifluoroethane [76-13-1]** Chlorinated Fluorocarbon, Diflon S-3; FC 133; Freon 113; Freon TF (113); Frigen 113 TR-T; Fluorocarbon 113; Genetron 113; Halocarbon 113; Refrigerant 113; Trichlorotrifluoroethane; Trichloro 1,2,2-Trifluoroethane; Trichloro-1,2,2-Trifluoroethane, 1,1,2-; 1,1,2-Trichlorotrifluoroethane; 1,1,2-Trichloro 1,2,2-Trifluroethane; 1,2,2-Trichlorotrifluoroethane; 1,1,2-Trifluorotrichloroethane; 1,1,2-Trifluoro-1,2,2-Trichloroethane	**CFC-212**	**Hexachlorodifluoropropane [3182-26-1]** None
CFC-114	**1,2-Dichlorotetrafluoroethane [76-14-2]** Cryofluorane; Dichlorotetrafluoroethane; 1,2-Dichloro-1,1,2,2-Tetrafluoroethane; Dichloro-1,1,2,2-Tetrafluoroethane; Fluorocarbon 114; Freon 114; Halocarbon 114; Halon 242; Propellant 114; R-114; Refrigerant 114; Refrigerant R114	**CFC-213**	**Pentachlorotrifluoropropane [2354-06-5]** None
CFC-115	**Monochloropentafluoroethane [76-15-3]** Chloropentafluoroethane; Fluorocarbon 115; Freon 115; Genetron 115; Halocarbon 115; R-115; Refrigerant R115	**CFC-214**	**Tetrachlorotetrafluoropropane [29255-31-0]** None

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EH&S – RELATED RESTRICTED ITEMS

Trade Name	Chemical Name & Synonyms – Trademark Name	Trade Name	Chemical Name & Synonyms – Trademark Name
Halon 1211	**Bromochlorodifluoromethane [353-59-3]** **Chlorodifluorobromomethane**	**CFC-215**	**1,2,2-Trichloropentafluoropropane [1599-41-3]** Trichloropentafuloropropane
Halon 1301	**Bromotrifluoromethane [75-63-8]** Fluorocarbon 13B1; Freon 13B1; H-1301; Halocarbon 13B1; R-13B1, Refrigerant 13B1; Refrigerant R13B1; Trifluorobromomethane; Trifluoromethyl Bromide; Trifluoromonobromomethane	**CFC-216**	**1,2-Dichloro-1,1,2,3,3,3,-hexafluoropropane [661-97-2]** 1,2-Dichlorohexafluoropropane
Halon 2402	**1,2 Dibromotetrafluoroethane [124-73-2]** 1,2-Dibromoperfluoroethane; Dibromotetrafluoroethane; 1,2-Dibromotetrafluoroethane; 1,2-Dibromo-1,1,2,2-Tetrafluoroethane; 1,1,2,2-Tetrafluoro-1,2-Dibromoethane	**CFC-217**	**Heptafluoropropyl chloride [422-86-6]** 1-Chloro-1,1,2,2,3,3,3-Heptafluoropropane
CFC-13	**Chlorotrifluoromethane [75-72-9]** Halocarbon 13; Trifluoromethyl Chloride		**Carbon tetrachloride [56-23-5]** Benziinoform;carbona; Carbon Chloride; Carbon Tet; Flukoids; Methane Tetrachloride, Necatorina, Necatorine; Perchloromethane; Refrigerant R10,Tetrachlorocarbon, Tetraloromethane; Tetrafinol; Tetraform; Tetrasol, Univerm; Vermoestricid
CFC-111	**Pentachlorofluoroethane** Fluoropentachloroethane		**1,1,1-Trichloroethane [71-55-6]** AerotheneTT; Alpha-Truchloroethane; Chlorothene; Chlorothene NU; Chlorothene VG; Methyltrichloromethane; Methyl Chloroform; 1,1,1-TCE; Solvent 111; Triethane;
			Methyl bromide [74-83-9] Brom-O-Gas; Brom-O-Gaz; Bromot\methane; Brom-O-Sol; Celfume, Curafume, Dowfume, Dowfume MC-2; Dowfume MC-33, EDCO; Embafume; Halon1001; Haltox; Iscobrome; Kayafume; MB; MeBr; Metafume; Methogas; Meth-o-Gas; Monobromomethane; Profume; Rotox; Terabol, Terr-O-Gas; Terr-O-Gas 100; Zytox

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EH&S – RELATED RESTRICTED ITEMS

Health Hazard and Reactive Gases

Approval: John Seabury ext. 6547

Ammonia (NH3)
Arsenic pentafluoride (AsF5)
Arsine (AsH3)
Benzene in air
Boron trichloride (BCl3)
Boron trifluoride (BF3)
Bromine pentafluoride
Bromine trifluoride (BrF3)
1,3-Butadiene (C4H6)
Carbon monoxide (CO)
Carbonyl fluoride (COF2)
Carbonyl sulfide
Chlorine (Cl2)
Chlorine trifluoride (ClF3)
Cyanogen (C2N2)
Cyanogen chloride (ClCN)
Diborane (H6B2)
Dichlorosilane (SiH2Cl2)
Fluorine (F2)
Germanium tetrahydride (GeH4)
Hydrogen bromide (HBr)
Hydrogen chloride (HCl)
Hydrogen cyanide (HCN)
Hydrogen fluoride (HF)
Hydrogen selenide (H2Se)
Hydrogen sulfide (H2S)
Iodine pentafluoride (IP5)
Methyl bromide (CH3Br)
Methyl chloride (CH3Cl)
Methyl silane
Nickel carbonyl Ni(CO)4
Nitric oxide (NO)
Nitrogen dioxide (NO2)
Nitrogen trifluoride (NF3)
Nitrosyl chloride (NOCl)
Oxygen difluoride (OF2)
Phosgene (COCl2)
Phosphine (PH3)
Phosphorous pentafluoride (PF5)
Phosphorous trichloride (PCl3)
Phosphorous trifluoride (PF3)
Selenium hexafluoride
Silane (silicontetrahydride-SiH4)
silicon tetrachloride (SiCl4)
Silicon tetrafluoride (SiF4)
Stibine (SbH3)
Sulfur dioxide (SO2)
Sulfur tetrafluoride (SF4)
Sulfuryl fluoride (SO2F2)
Tellurium hexafluoride (TeF6)
Tungsten hexafluoride (WF6)
Vinyl chloride (C2H3Cl

Reactive, Explosive & Unique Hazard Chemicals

Notification: Larry McLouth ext. 5286

2-Furaldehyde
Asbestos
Asbestos containing material
Beryllium
Boron
Cesium
Dicholorborane
Francium
Lead: brick, sheet or block
Lithium (not including lithium batteries)
Rubidium
Sodium
Phosphorous, yellow
Phosphorous, white
Picric acid
Potassium

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EH&S – RELATED RESTRICTED ITEMS

Chemicals Known to Possess Lethal or Incapacitating Toxicity

Notification: Larry McLouth ext. 5286

Amiton: O,O-Diethyl S-[2-(diethylamino)ethyl] phosphorothiolate and corresponding alkylated or protonated salts (78-53-5)
O-Alkyl (H or <C10, incl. cycloalkyl) S-2-dialkyl(Me, Et, n-Pr or i-Pr)-aminoethyl alkyl (Me, Et, n-Pr or i-Pr) phosphonothiolates and corresponding alkylated or protonated salts
O-Alkyl (<C10, incl. cycloalkyl) alkyl (Me, Et, n-Pr or i-Pr)-phosphonofluoridates
O-Alkyl (<C10, incl. cycloalkyl) N,N-dialkyl (Me, Et, n-Pr or i-Pr) phosphoramidocyanidates
Sarin: O-Isopropyl methylphosphonofluoridate (107-44-8)
Soman: O-Pinacolyl methylphosphonofluoridate (96-64-0)
Tabun: O-Ethyl N,N-dimethyl phosphoramidocyanidate(77-81-6)
VX: O-Ethyl S-2-diisopropylaminoethyl methyl phosphonothiolate [50782-69-9]

Sulfur mustards:
2-Chloroethylchloromethylsulfide [2625-76-5]
Mustard gas: Bis(2-chloroethyl)sulfide [505-60-2]
Bis(2-chloroethylthio)methane [63869-13-6]

Sesquimustard:
1,2-Bis(2-chloroethylthio)ethane [3563-36-8]
1,3-Bis(2-chloroethylthio)-n-propane [63905-10-2]
1,4-Bis(2-chloroethylthio)-n-butane [142868-93-7]
1,5-Bis(2-chloroethylthio)-n-pentane [142868-94-8]
Bis(2-chloroethylthiomethyl)ether [63918-90-1]

O-Mustard:
Bis(2-chloroethylthioethyl)ether [63918-89-8]

Lewisites:
Lewisite 1: 2-Chlorovinyldichloroarsine [541-25-3]
Lewisite 2: Bis(2-chlorovinyl)chloroarsine [40334-69-8]
Lewisite 3: Tris(2-chlorovinyl)arsine [40334-70-1]

Nitrogen mustards:
HN1: Bis(2-chloroethyl)ethylamine [538-07-8]
HN2: Bis(2-chloroethyl)methylamine [51-75-2]
HN3: Tris(2-chloroethyl)amine [555-77-1]
Saxitoxin [35523-89-8]
Ricin [9009-86-3]
Alkyl (Me, Et, n-Pr or i-Pr) phosphonyldifluorides
DF: Methylphosphonyldifluoride [676-99-3]
O-Alkyl (H or <C10, incl. cycloalkyl)
O-2-dialkyl(Me, Et, n-Pr or i-Pr)-aminoethyl alkyl(Me, Et, n-Pr or i-Pr) phosphonites and corresponding alkylated or protonated salts
QL: O-Ethyl O-2-diisopropylaminoethyl methylphosphonite [57856-11-8]
Chlorosarin: O-Isopropyl methylphosphonochloridate [1445-76-7]
Chlorosoman: O-Pinacolyl methylphosphonochloridate [7040-57-5]
PFIB: 1,1,3,3,3-Pentafluoro-2-(trifluoromethyl)-1-propene [382-21-8]
BZ: 3-Quinuclidinyl benzilate (*) [6581-06-2]
Chemicals containing a phosphorus atom to which is bonded on a methyl, ethyl or propyl (normal or iso) group but not further carbon atoms
Methylphosphonyl dichloride [676-97-1]
Dimethyl methylphosphonate [756-79-6]
Exemption: Fonofos: O-Ethyl S-phenylethylphosphonothiolothionate [944-22-9]
N,N-Dialkyl (Me, Et, n-Pr or i-Pr) phosphoramidic dihalides
Dialkyl (Me, Et, n-Pr or i-Pr) N,N-dialkyl(Me, Et, n-Pr or i-Pr)-phosphoramidates
Arsenic trichloride [7784-34-1]
2,2-Diphenyl-2-hydroxyacetic acid [76-93-7]
Quinuclidin-3-ol [1619-34-7]
N,N-Dialkyl (Me, Et, n-Pr or i-Pr) aminoethyl-2-chlorides and corresponding protonated salts
N,N-Dialkyl (Me, Et, n-Pr or i-Pr) aminoethane-2-ols and corresponding protonated salts
Exemptions: N,N-Dimethylaminoethanol and corresponding protonated salts [108-01-0]
N,N-Diethylaminoethanol and corresponding protonated salts [100-37-8]
N,N-Dialkyl (Me, Et, n-Pr or i-Pr) aminoethane-2-thiols and corresponding protonated salts
Thiodiglycol: Bis(2-hydroxyethyl)sulfide [111-48-8]
Pinacolyl alcohol: 3,3-Dimethylbutan-2-ol [464-07-3]
Phosgene: Carbonyl dichloride [75-44-5]
Cyanogen chloride [506-77-4]
Hydrogen cyanide [74-90-8]
Chloropicrin: Trichloronitromethane [76-06-2]
Phosphorus oxychloride [10025-87-3]
Phosphorus trichloride [7719-12-2]
Phosphorus pentachloride [10026-13-8]

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EH&S – RELATED RESTRICTED ITEMS

Trimethyl phosphite [121-45-9]
Triethyl phosphite [122-52-1]
Dimethyl phosphite [868-85-9]
Diethyl phosphite [762-04-9]
Sulfur monochloride [10025-67-9]
Sulfur dichloride [10545-99-0]
Thionyl chloride [7719-09-7]
Ethyldiethanolamine [139-87-7]
Methyldiethanolamine [105-59-9]
Triethanolamine [102-71-6]

Radioactive Materials and Isotopes

Notification: Steve Sohner ext. 6228

Deuterium Gas (D2)
Heavy water (D20)
Chemicals containing radionuclides including
Tritium [H-3]
Natural uranium [u]
Depleted uranium, enriched uranium
Thorium [Th]
Protactinium [Pa]
Transuranics [atomic number greater than 92]
Radioactive sealed sources
201-Thallium
Instruments and articles containing radioactive sealed sources
Special nuclear material [SNM]) including
Gas chromatographs with electron capture devices
Liquid scintillation counters
Neutron moisture probes (Hydroprobe)
Neutron soil density gauge
Signs containing tritium
Static eliminators
Uranyl nitrate
Uranyl acetate
Thorium acetate
Thorium nitrate
Neutron soil density gauge
Aerosol neutralizers
Plutonium
Uranium-233 or,
Uranium enriched in the isotopes uranium-233 or uranium-235

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EH&S – RELATED RESTRICTED ITEMS

Equipment Generating Laser, Radiowave, Microwave and Ionizing Radiation

Notification: Ken Barat ext. 2544

Laser Protective Eyeware
Class 3 and 4 lasers
Microwave sources (excluding consumer products such as microwave ovens)
Radiowave sources

X-Ray Sources and Equipment

Approval: Robert Fairchild ext. 2278

X-ray sources and equipment including accessory devices