



HAZARDOUS MATERIALS "HOTLIST" --A Red Flag guide for Procurement Services

The following materials should not be brought onto Campus without prior notification to and approval from UCB Environmental Health and Safety.

I. Biohazardous Materials (includes Select Agents and Toxins)

A. Viruses: Any material with the words "virus" "fever" or "disease" in it.

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| African horse sickness virus | Menangle virus |
| African swine fever virus | Monkeypox virus |
| Akabane virus | Newcastle disease virus (velogenic) |
| Avian influenza virus (highly pathogenic) | Nipah virus |
| Bluetongue virus (exotic) | Peste des petits ruminants virus |
| Camel pox virus | Reconstructed 1918 Influenza virus |
| Cercopithecine herpes virus 1 (Herpes B virus) | Rift Valley fever virus |
| Classical swine fever virus | Rinderpest virus |
| Crimean-Congo haemorrhagic fever virus | Sheep pox virus |
| Eastern equine encephalitis virus | South American haemorrhagic fever viruses |
| Ebola viruses | Swine vesicular disease virus |
| Foot-and-mouth disease virus | Tick-borne encephalitis complex (flavi) viruses |
| Goat pox virus | Variola major virus (Smallpox virus) |
| Hendra virus | Variola minor virus(Alastrim) |
| Japanese encephalitis virus | Venezuelan equine encephalitis virus |
| Lassa fever virus | Vesicular stomatitis virus (exotic) |
| Lumpy skin disease virus | |
| Malignant catarrhal fever virus (Alcelaphine herpes virus type 1) | |
| Marburg virus | |

B. Bacteria:

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| <i>Bacillus anthracis</i> | <i>Francisella tularensis</i> |
| Botulinum neurotoxin producing strains of <i>Clostridium</i> | <i>Mycoplasma capricolum</i> |
| <i>Brucella abortus</i> | <i>Mycoplasma F38</i> |
| <i>Brucella melitensis</i> | <i>Mycoplasma capri</i> |
| <i>Brucella suis</i> | <i>Mycoplasma mycoides mycoides</i> |
| <i>Burkholderia mallei</i> (formerly <i>Pseudomonas mallei</i>) | <i>Ralstonia solanacearum</i> race 3, biovar |
| <i>Burkholderia pseudomallei</i> (<i>Pseudomonas pseudomallei</i>) | <i>Rickettsia prowazekii</i> |
| Candidatus <i>Liberobacter africanus</i> | <i>Rickettsia rickettsii</i> |
| Candidatus <i>Liberobacter asiaticus</i> | <i>Xanthomonas oryzae</i> pv. <i>oryzicola</i> |
| <i>Cowdria ruminantium</i> (Heartwater) | <i>Xylella fastidiosa</i> |
| <i>Coxiella burnetii</i> | <i>Yersinia pestis</i> |

C. Fungi:

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| <i>Coccidioides immitis</i> | <i>Schlerophthora rayssiae</i> var <i>zeae</i> |
| <i>Coccidioides posadasii</i> | <i>Synchytrium endobioticum</i> |
| <i>Peronosclerospora philippinensis</i> | |

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D. Toxins: Any material with the word "toxin" in it

Abrin	Saxitoxin
Botulinum neurotoxins	Shigatoxin
Clostridium perfringens epsilon toxin	Shiga-like ribosome inactivating proteins
Conotoxins	Staphylococcal enterotoxin
Diacetoxyscirpenol	Tetrodotoxin, Puffer fish
Ricin	T-2

E. Prions:

Bovine spongiform encephalopathy agent

II. Highly Toxic or Reactive Chemicals and Gases

Acetyl nitrate
Acetyl peroxide
Acrolein
Ammonia
Ammonium nitrate
Ammonium nitrite
Arsine
Azides - compounds containing the word "azide"
Borane, Diborane and compounds containing the word "borane"
Boron trifluoride
Butyl perbenzoate
Chlorine
Cyanogen chloride
Diazo compounds - Chemicals containing the prefix "diazo"
Dibutyl peroxide
Dichlorosilane
Diethyl phosphine
Dimethyl arsine
Dinitrobenzene
Dinitrophenol
Dinitrophenylhydrazine
Ethylene oxide
Ethyl nitrate
Ethyl nitrite
Fluorine
Hexogen
Hydrazine (Diamine)
Hydrofluoric acid
Hydrogen fluoride
Hydrogen chloride
Hydrogen cyanide
Hydrogen selenide
Hydrogen sulfide



Highly Toxic or Reactive Chemicals and Gases (continued)

Lead azide
Lewisite (Chlorovinyl dichloroarsine)
Methyl isocyanate
Methyl mercaptan (Methanethiol)
Mustard gas (Thioether)
Mustard oil (Phenylisothiocyanate)
Nickel carbonyl
Nitric oxide
Nitrogen dioxide
Nitroglycerine
Osmium tetroxide (Osmic acid)
Pentaborane
Perchloric acid
Peroxyacetic acid
Phosgene (Carbonyl chloride)
Phosphine (Phosphorus hydride)
Picric acid and compounds containing the words "picrate" or "picryl"
Potassium peroxide
Propionitrile (Cyanoethane, Ethyl cyanide)
Pyrophoric compounds
Sarin (Methylphosphonofluoride)
Silane
Sodium perchlorate
Sodium peroxide
Sulfur dioxide (Sulfurous oxide)
Tetranitromethane
Tetrazene
Thionyl chloride (Sulfurous chloride)
Tetranitro compounds - Chemicals containing the prefix "tetranitro"
Trinitro compounds - Chemicals containing the prefix "trinitro"
VX (Nerve agent)

III. Radioactive Materials - Procurement needs to screen for the following "keywords" to see if there is radiation in an order:

Gas Chromatograph (GC)
Electron Capture Detector (ECD)
Radioimmunoassay (RIA)
Liquid Scintillation Counter (LSC)
Static Eliminator
Differential Mobility Analyzer (DMA)
Moisture Gauge or Moisture Density Gauge
Densitometer
X-ray Machine or Unit
Source or Sealed Source

Anything with a letter followed by a number may indicate a radioisotope
(P-32, H-3, etc.)



University of Colorado at Boulder

Department of Environmental Health and Safety

Common words for radiation: Radionuclide, Radioisotope, Isotope, Radiolabel, "hot" (anything with "radio" in it may possibly be radioactive)

Companies known to ship radioactive materials to University: Perkin-Elmer, ICN, Diasorin, American Radiolabelled Chemicals (ARC), Sigma, MP Biomedicals, Bachem Bioscience, GE Health Care.

ALL radioactive materials and devices MUST be shipped to the following address (although an exception may be made in the case of large pieces of equipment):

University of Colorado – Radiation Safety
EHSC
1000 Regent Drive
Boulder, CO 80309-0413

Contact the Radiation Safety office at (303) 492-6523 if you have questions or if you come across an order that has any of these words/companies and you want to make sure the lab is allowed to receive them.

Contact:
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