

Environmental Health & Safety

Laboratory Safety Unit

Exempt Chemicals

The following substances do NOT have to be included in your Chematix Chemical Inventory. Environmental Health and Safety recognizes that there may be hazards inherent with the materials designated as exempt; however, these hazards are easily mitigated with good laboratory practices. These chemicals may also be covered by the hazardous waste rules, and therefore, may need to be disposed of through Environmental Compliance. An exemption from the inventory requirements does not mean an exemption from the chemical disposal rules. Always verify with Environmental Compliance (275-2056).

- Antibodies
- Amino acids
- DNA, RNA, primers, DNA ladders, DNAses
- Dry ice
- Dry milk, water, gelatin, vegetable oils, and other edible products
- Restriction Enzymes, RNases
- Growth media (e.g. all agar, agarose, dry powder and prepared solutions, tissue culture media)
- Kits (and kit components) for molecular biology techniques (e.g. PCR, cDNA and gene synthesis, RT labeling, library construction, and similar products) are exempt from chemical inventories **as long as they are maintained in the original box**. Once the kit components are stored separately from the original box, kit components which are hazardous must be inventoried.
- Laboratory produced solutions of pure stock materials as long as stock bottle is present in room.
- Highly refined oil (e.g. white mineral oil). Untreated or mildly treated mineral oil must be included in the chemical inventory.
- Non-hazardous proteins (does not refer to toxins of biological origin)
- Non-toxic buffer solutions (e.g. PBS) and aqueous indicators (e.g., methyl red)
- Peptides
- pH buffers
- Radioactive materials
- Every day consumer products in consumer packaging used for routine household-like activities (e.g., cleansers, dish soap, hand soap, lotions). Consumer products which present a hazard must be included in the chemical inventory if the quantity maintained in a single room is one case or more (e.g. non-latex paints, lubricants)
- Serums (e.g. bovine, chicken, cow, horse, rabbit)

Also, the following substances do not have to be included in your inventory:

– Albumin
– Alumina (Aluminum powder is not exempt.)
– Beads / particles / microspheres – magnetic, glass, polystyrene, poly(methacrylate), PMMA, (Copper powder is not exempt.)
– Beef extract powder
– Boiling chips and similar products
– Calcium, calcium acetate, calcium carbonate, calcium chloride, calcium sulfate
– CAPS [3-(Cyclohexylamino)-1-propanesulfonic acid]
– CHAPS
– Charcoal, activated charcoal, activated carbon, (Carbon black is not exempt.)
– Clear Bath from Fisher Scientific and similar products
– Cork, cork dust
– Deuterium, Deuterium chloride, Deuterium oxide
– Dextran
– Drierite
– Drugs (Over-the counter drugs are exempt from inventory. Prescription drugs are not exempt.)
– EDTA (Ethylenediaminetetraacetic acid)
– Ethylene glycol-bis(2-aminoethylether)-N,N,N',N'- tetraacetic acid
– Glycine and glycerol
– Gum arabic
– Gum guar
– HEPES
– Hydrogen peroxide, 3% (all other concentrations <i>must</i> be entered)
– Iron filings (iron powder is <i>not</i> exempt)
– Magnesium acetate, Magnesium bromide, magnesium chloride, magnesium oxide, magnesium sulfate
– Methyl cellulose (Methyl cellulose powder is not exempt.)
– MES
– Micro-90
– Paraffin wax (Paraffin oil / mineral oil – see information under highly refined mineral oil)
– Peptone
– PIPES
– Polyethylene glycols
– Potassium acetate, potassium carbonate, potassium chloride, potassium phosphates (all), potassium sulfate
– Pump oil (lubricating oil)
– Silica gel
– Sodium acetate, sodium bicarbonate, sodium carbonate, sodium citrate, sodium chloride, sodium phosphates (all)
– TAPS (free acid)
– Titanium Dioxide

– Tris hydrochloride
– Tryptone
– Tween
– Urea
– Vaseline
– Vacuum grease
– Water (including deuterated water)
– Yeast extract

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