



General Hazardous Waste Chemical Disposal Protocols

Acidic & Basic Disposal Protocols:

OHSE supply containers for dilute aqueous acidic, and dilute aqueous basic chemical solutions: <http://www.uvic.ca/ohse/assets/docs/haz-waste/hazwasteposter.pdf>. Please see the disposal criteria below for acids and bases:

- 1) **Dilute aqueous acidic solution** disposal into any of the OHSE supplied 10 or 20 litre plastic containers **must have a pH range between: 2.5 pH–6 pH.**
- 2) **Aqueous neutral disposal** into the OHSE supplied plastic containers **must have a pH range between: 6.1 pH-8 pH.**
- 3) **Dilute aqueous basic solution** disposal into any of the OHSE supplied 10 or 20 litre plastic containers **must have a pH range between: 8.1 pH-11.5 pH.**
- 4) **Concentrated** aqueous acidic wastes must be left in an appropriate chemically compatible Lab User supplied container. **pH range of less than 2.5 indicates a strong acid and should not be mixed with anything else nor decanted into any of the OHSE supplied containers otherwise a reaction may occur.** Affix a green hazardous waste sticker for pick up by the OHSE Contractors.
- 5) **Concentrated** basic solutions that are over 11.5 pH must also be left in an appropriate chemically compatible Lab User supplied container. **A pH over 11.5 indicates a strong basic solution and this should not be mixed with any other solutions nor decanted into any of the OHSE supplied containers.** Affix a green hazardous waste sticker for pick up by our Contractors.

Reactive Waste Disposal Protocols:

Any waste that is **highly reactive (piranha solutions, perchlorics, hydrofluoric acid)** should be disposed of in a chemically compatible, Lab User supplied container. Pressure releasing caps (circumvent caps) are available free from Science Stores for waste that have the potential to build pressure. Reactive waste should *not* be decanted. Ensure the waste is stored in a chemically compatible container and affix a green hazardous waste sticker for pick-up.

Cytotoxic Waste Disposal Protocols:

Liquid cytotoxic waste can go into an OHSE supplied 20 litre red cytotoxic pail, plain opaque 20 litre pail, or a sealable 4 litre plastic container from Science Stores, as long as they are labeled 'Cytotoxic' and not filled to more than 75% capacity. Labs are responsible to ensure containers are tightly secured for pick-up to mitigate spills. **Solid cytotoxics & associated debris** can go into an OHSE supplied 20 litre red cytotoxic marked pail.

Resources:

OHSE Hazardous Waste Disposal: <http://www.uvic.ca/ohse/environment/waste/index.php>

Acid Waste Hazard Alert: http://www.uvic.ca/ohse/assets/docs/HazardAlert_AcidContainer.pdf

Piranha Solution Circumvent Caps: <http://www.uvic.ca/ohse/assets/docs/caps.pdf>

Non-hazardous Wastewater Disposal:

<https://www.uvic.ca/ohse/environment/waste/wastewater/index.php>