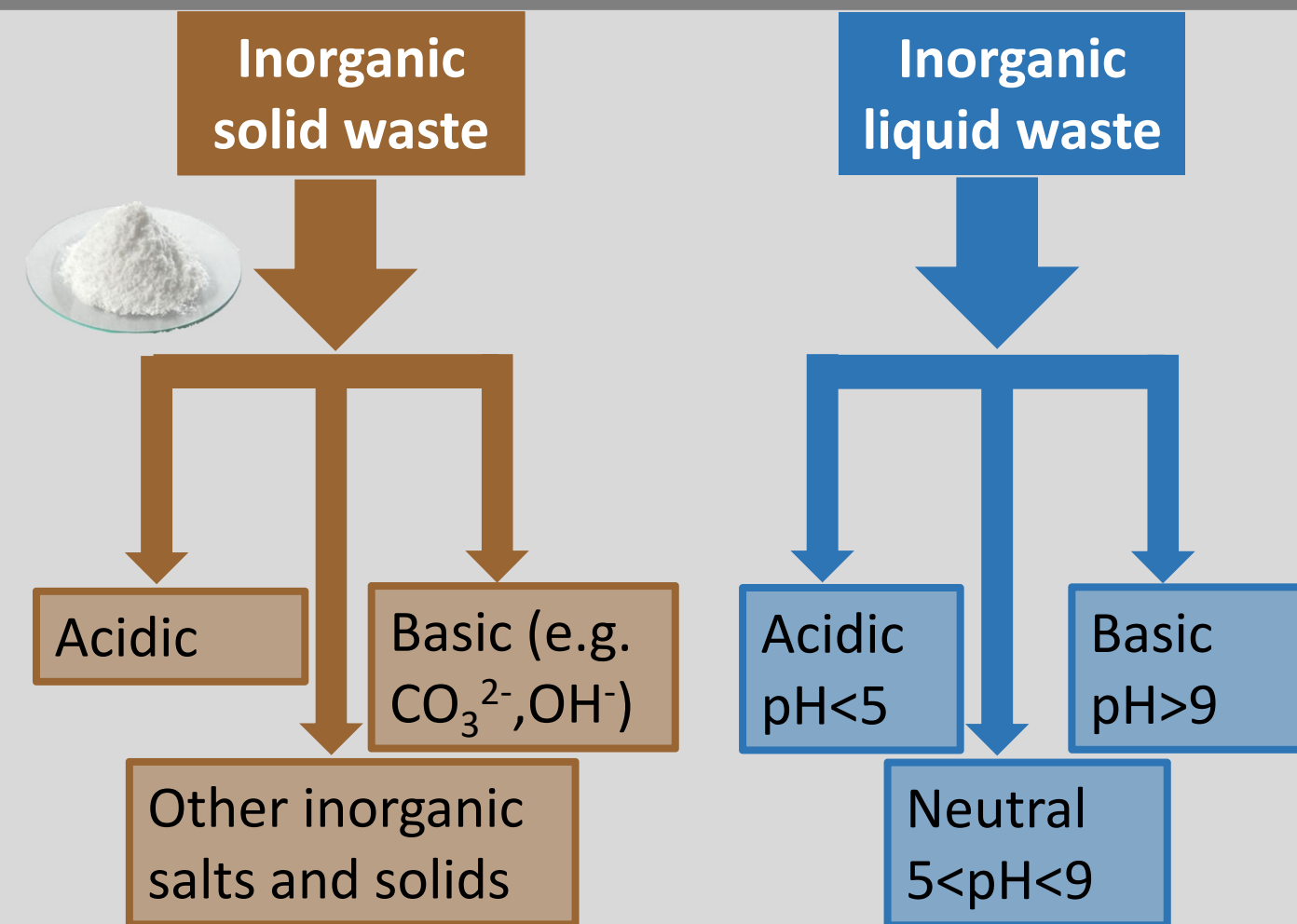




- Small amounts of **non-toxic and environmentally non-hazardous** acids and bases such as NaOH and HCl can be neutralized and poured down the drain.
- Collect waste consisting of **pure metals** separately.
- Collect waste containing **heavy metals & transition metals** separately (see «Hazardous waste guide»)
- **Hg** and **Cd** containing waste must each be collected separately.
- Avoid mixing reactive chemicals in the waste containers.

Label for solid waste

Room number: _____

Contact person: _____

☐ Inorganic salts and other inorganic solids ☐ Organic solids

☐ Acidic substances ☐ Solid acids

☐ Alkaline substances ☐ Solid bases

Label for solid waste

☐ contains halogen ☐ contains Cd

☐ contains Hg ☐ contains other heavy metals

☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐



Needles, syringes, razor blades → small sharps box. Once full, it is placed into the infectious waste bin (yellow bin). **OBS! Do NOT recap needles due to risk of stab wounds.**

review the «Hazardous waste guide» or contact HSE coordinator

WHEN IN DOUBT, ALWAYS ASK FOR INSTRUCTIONS



old chemicals in original packaging



deliver to the HSE coordinator (collection twice a year)



Waste **not contaminated** with hazardous or poisonous chemicals, or infectious material (e.g. gloves, laboratory disposables, paper towels etc.)



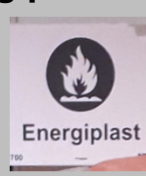
regular waste

Washed, clean and dry

glass container:
lab glassware
waste



plastic container:
'Energiplast'



metal containers:



Non-cleanable containers: Deliver to HSE Coordinator

non-cleanable (small containers, non-reactive, non-toxic, non-flammable residues only!)



empty containers



Waste **contaminated** with hazardous chemicals (e.g. gloves, laboratory disposables, contaminated paper towels, contaminated broken glassware (if small amounts), etc.). **NO flammable substances are allowed in the yellow bins!**



yellow bins



Waste **contaminated** with **non-pathogenic bacteria** (e.g. gloves, pipet tips, petri dishes, cuvettes used for OD₆₀₀ determination, lab paper used to clean spilled cultures / workbench, etc.)



store in a biohazard bag

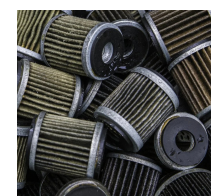


autoclave



Radioactive: Collection of radioactive waste is coordinated by the radiation protection coordinator at Nuclear Chemistry, VU77.

Deliver to/contact HSE coordinator:



- Any hazardous/chemicals waste that is not covered in the flow charts: contact HSE coordinator.
- Workshop chemicals**, e.g. glue, paint residues, oils, oil contaminated material (tubing, paper, plastic,...).
- Sprays bottles**, empty or with residues.
- Darkroom / photo chemicals**, e.g. developer solutions, stop bath, fixer etc. are also treated as chemical waste.
- Batteries** – batteries are collected in battery bins in the Central Storage. **Li-batteries**, **Cd-batteries** and **Pb-containing batteries** need each to be collected separately. **Lithium batteries need to be taped before disposal** to avoid shortening. **Damaged batteries** are to be delivered to the HSE coordinator.



Laboratory specific hazardous waste:

Does your laboratory produce hazardous waste not covered here? Contact the HSE coordinator to establish appropriate procedures.