

## Elementary set of rules working with acids to clean metal-containing compounds.

- Needless to say, use all the protective equipment adequate for acids, as well as the proper containers (no glass)
- Put all relevant information on the beakers.  
This includes name, date and the used acids.
- Boiling with the acids is allowed but with the restriction that it is not supposed to get dry. (You can easily convert the compounds which are solvable in acid to a different insoluble metal component depending on the used acid. Danger of nitrates and chlorates explosion.)
- Put a cover on the beaker.
- If the acid can be used for further cleaning store it in a **closed** flask and write all the relevant information on this flask.
- Otherwise the acid waste has to be disposed in the the proper waste container.
- Waste containing heavy metal in container number 5 otherwise in the acid container indicated with number 1.
- Clean the fume hood and hotplates directly after cleaning.
- Don't leave loose paper in the fume hood.

