Procedures for Handling Powder Chemicals
In the SMIF Prep Lab

Note 1 - This procedure covers, but is not limited to, Uranyl Acetate, Sodium Cacodylate and Lead Citrate.

Note 2 – The appropriate PPE must be worn at all times when handling chemicals.

1) Move the top loading balance into VitroHood1.
2) Adjust the balance so that it is level.
3) Weigh out powder chemicals using a weigh boat.
4) Place chemical into solution inside of the hood.
5) Once in solution, the chemical should be stored in appropriate area.
6) Return the balance to its original place.

Health Effects of these chemicals:

Lead Citrate is a potential carcinogen, and can affect the reproductive system

Sodium Cacodylate is a known carcinogen (contains arsenic) and can also affect the kidneys, GI tract, heart, brain, skin, bone marrow, nerves, and liver

Uranyl Acetate is highly toxic and radioactive