



## Uranium and Thorium Compounds

The federal and state governments consider that certain uranium- and thorium-containing compounds are less of a radiation hazard to users than many other radioactive materials. As a result, these uranium and thorium compounds are regulated differently than most radioactive materials used at the University. If you have the following material in your lab or plan to use them in the future, contact the Office of Radiation Safety.

- Uranyl Acetate
- Uranyl Formate
- Uranyl Nitrate
- Thorium Acetate
- Thorium Formate
- Thorium Nitrate

### Safety

**Wear PPE**– wear gloves, lab coat, long pants and closed toe shoes

**Work in Hood**– when using uranium and thorium compounds

**No Mixing**– do not mix acetate, formate and nitrate compounds without prior approval from Radiation Safety

### Waste

All dry solid waste potentially contaminated with uranium and thorium compounds shall be placed in provided dry solid waste container. Date and approximate activity must be recorded every time waste is placed in dry waste container.

Aqueous waste shall be placed in a liquid waste container provided by Radiation Safety.



**Contact Radiation Safety Office:**  
[radsafety@uchicago.edu](mailto:radsafety@uchicago.edu) (773)702-6299