**Required Training**

UC Lab Safety Fundamentals

**Required PPE**

Lab coat, safety glasses/goggles, nitrile gloves

**Equipment**

**Chemicals**

- 207.21 g Lead metal
- 298.0 g Sodium dichromate, dihydrate (Na₂Cr₂O₇·2H₂O)
- 342.3 g Sucrose (C₁₁H₂₂O₁₁)
- 251.5 g Cupric sulfate, pentahydrate (CuSO₄·5H₂O)
- 58.5 g Sodium chloride (NaCl)
- 18 g Water (H₂O)

**Procedure:**

N/A

**Discussion:**

Explain that each container holds one mole of the labeled chemicals

**Hazards:**

Lead and sodium dichromate are thought to be carcinogenic. Although the containers are sealed, handle the demonstration with proper PPE including gloves and goggles. If accidental release occurs refer to MSDS.

**SOP**

[Warning symbol]
Acute Toxic Material – Sodium Dichromate

Carcinogen – Lead, Sodium Dichromate

Potential Reproductive Hazard – Lead, Sodium Dichromate

**Disposal (by Storeroom)**

This demo should not require special disposal.