

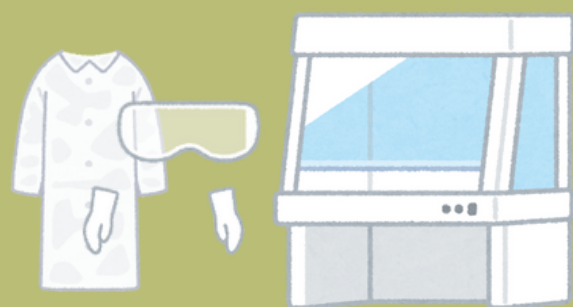
CHEMICAL WASTE COMPATIBILITY TEST



Chemical waste reactions can be complex and sometimes delayed.
This test provides a quick check on compatibility, but further judgment is required.
Always consult your supervisor or HSEO if unsure.

TEST PROCEDURE

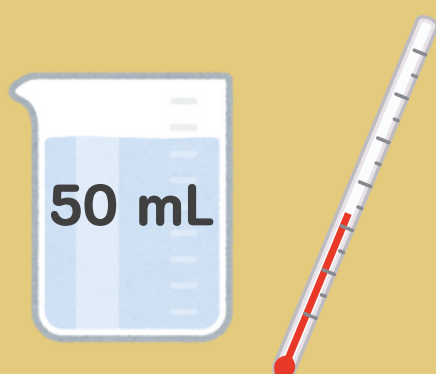
1



Safety First

- Wear safety goggles, gloves, and a lab coat
- Conduct the test inside a fume cupboard
- Do **NOT** conduct the test alone

2



Prepare the Sample

- Homogenize the chemical waste inside the target container
- Withdraw **50 mL** into a beaker with a **minimum capacity of 250 mL**
- Measure & record the temperature

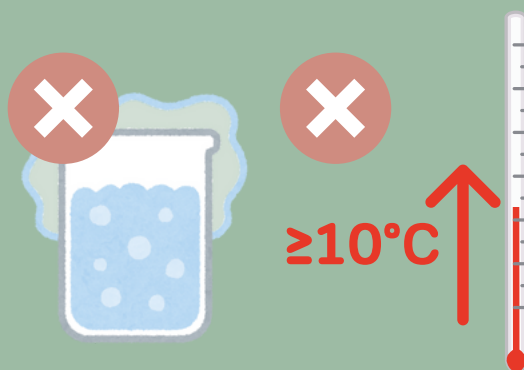
3



Mix with New Waste

- Slowly add a portion of the new waste in proportion to actual disposal volumes (e.g., 10 mL for a 1:5 ratio)
- **STOP IMMEDIATELY** if a rigorous reaction occurs!

4



Observe & Measure

- After mixing, re-measure the temperature
- If **bubbling, gassing**, or a temperature rise of **≥10°C** occurs
→ **INCOMPATIBLE!**
- Store separately & label with chemical composition, date, and producer contact information

5



Final Assessment

- Check for colour change or precipitation alone. Compatible if **NO** other adverse reactions occur **within 5 minutes**
- If incompatible, pre-treat waste before disposal or use the **Labpack Waste Scheme**

