

Storage of Chemicals

- 1. Date of Incident:** March 2020
- 2. Place of Incident:** A laboratory
- 3. Summary:**

A glass bottle containing about 1L of flammable liquid allegedly burst and caused a spill on the floor. The bottle was placed on floor with no secondary containment and next to an oven operating at 110 °C.



4. Lessons Learnt and Preventive Measures:

- Never leave chemicals on the floor.
- Store chemicals in appropriate ventilated cabinets and return after use.
- Use appropriate secondary containers to protect against breakage and spillage.
- Keep chemicals away from heat sources such as ovens.
- Replace the chemical containers if chips and cracks are found.
- Educate laboratory personnel about proper storage and handling of chemicals to reduce the risk of spills.
- The laboratory should be equipped with enough spill kits, chemical absorbent, gloves, goggles, scoops, and scrapers on hand for safe and efficient containment and cleanup.

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