## Hazard Alert

## **Bottle Explodes in Storage**

On a Monda morning, a SFU Research
Associa e disco ered ha a 100 ml
glass s oppered bo le had e ploded
inside one of he lab fridges o er he
Meekend. The bo le had con ained a
sol ion of po assi m h dro ide (KOH)
and inc po der prepared in 2007.
KOH and inc reac ed o form h drogen
gas, which b il peno gh o ca se
he bo le o e plode.



Regularly identify and dispose of expired or unused samples, solutions and reagents.

## Mings to consider

Use secondary containment for all liquids in storage cabinets or fridges to contain potential spills.

Reg lar fridges are no designed for chemicals d e o he presence of ho s rfaces (ligh b lbs), possible igni ion so rces (mo or) and he drain designed for se er collec ion. Consider using only lab safe fridges for chemical storage. Flammable materials must never be stored in domestic refrigerators.