Improper Cold Room Storage

Cold rooms are **NOT VENTILATED**. The following should **NEVER** be stored in a cold room:

### Flammable and Volatile Toxic Chemicals

**Risk:** Explosion, exposure, and asphyxiation

**Examples of flammables:** ethanol, acetone

**Examples of volatile toxics:** chloroform, formaldehyde

![Figure 1: Flammable, and volatile toxic chemical storage in a cold room](image)

### Cryogens and Compressed Gasses

**Risk:** Asphyxiation and exposure

**Examples of cryogens:** Dry ice, liquid nitrogen

**Examples of gasses:** argon, nitrogen, carbon dioxide, nitrous oxide, ammonia

![Figure 2: Liquid nitrogen dewar storage in a cold room](image)

### Porous Material

**Risk:** Supports fungal mold growth

**Examples:** cardboard, paper, wood, cloth, Styrofoam

![Figure 3: Mold on the surface of a workspace in a cold room](image)

For additional guidance, reference the [Cold Room Fact Sheet](#)