

Safety

Glove Box



Chemical Moving in:

- Liquids: Sealed, pressure-resistant bottle, drying and degassing operations conducted
- Solids: Air exchange in antechamber or move in as purchased (N_2 or Ar packed)
- Try to match the internal atmosphere
- No sulfur-containing compounds
- Halogen-containing solvents, polar and protic solvents require special precautions

Aim: Maintain an environment with O_2 and moisture levels that are as low as possible.

Important parts: Gloves, antechamber, columns, activated charcoal

Good manners:

- Avoids contacting gloves with sharps and solvent
- Don't torture gloves
- Exchange air in antechamber strictly
- Keep a tidy environment
- Avoid exposing volatiles
- Temperature control

Maintenance:

- Renew consumables on regular basis
- Change high vac pump oil on regular basis
- Purge for emergency