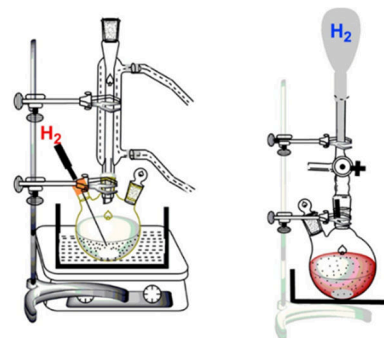


Hydrogenation – General Overview of Hazards and Best Practice

Palladium on carbon is routinely used for ambient pressure hydrogenations in synthetic laboratories. Such reactions bring together several hazards including hydrogen gas, pyrophoric catalysts and flammable solvents, so it is important to follow best practice to ensure they are conducted safely.

Chandra and Zebrowski¹ have produced a reference guide that summarises the key hazards associated with laboratory-scale hydrogenations and highlights best practice.



References:

1. *J. Chem. Health Saf.* 2016, 23, 4, 16–25 <https://pubs.acs.org/doi/10.1016/j.jchas.2015.10.019>