



SAFE PRACTICES WITH PYROPHORIC SUBSTANCES

HIGHLY REACTIVE

Quenching/Disposal:

- Proper quenching/disposal procedures vary between reagents. (See links below)
- Dispose of old/spent pyrophoric reagent bottles as hazardous waste.

Working with Pyrophoric Chemicals:

- Always wear proper PPE.
- Know specific hazards and safety protocols **before** working with pyrophoric reagents.
- If unsure of anything, it is best to get advice.

Learn More About Pyrophoric Reagents

- http://www.chemistry.ucla.edu/sites/default/files/safety/sop/SOP_Pyrophoric_Liquid_Reagents.pdf
- http://www.dehs.umn.edu/PDFs/Pyrophoric_Chemicals_Guide.pdf

MODERATELY REACTIVE



***t*BuLi**

Potassium Metal

KC₈

**Exercise Extreme Caution
for Liquids; Work in a
Glovebox for Solids**

**Alkyl Aluminum
Reagents**

**Grignard Reagents,
*n*BuLi**

KH

Sodium Metal

**Use Anhydrous Technique
for Liquids; Make Use
of Inert Solvents for Solids**

**Used Hydrogenation
Catalysts**

Alkyl Zinc Reagents

NaH, LiAlH₄

**Limit Exposure of Both
Solids and Liquids
to Atmospheric
Moisture and Oxygen**