## **Chemistry Department Hazard Assessment**



## High Dick Chamicals and Decetia

HIGH RISK CHEINICAIS AND REACTIONS	
<b>Chemical/Reaction</b>	Hazard
Organic azides	Explosion hazard (note: do not use ground glass joints)
Sodium azide	Toxic Disposal hazard (do not dispose in drains)
Perchlorate salts	Explosion hazard
Lithium aluminum hydride, sodium metal, potassium metal, etc.	Fire hazard when quenching
Palladium on carbon	Pyrophoric after exposure to H <sub>2</sub> Disposal hazard (do not throw away in trash cans)
Nitric acid, aqua regia	Reacts violently with organics Disposal hazard (do not dispose in organic-containing waste)
Ethers with alpha-hydrogen atoms	May form peroxides (Explosion hazard)
Thiols	Nuisance hazard (low ppm will evacuate the building)
Overnight reflux	Flooding hazard (Flooding is the #1 cause of damage in our department)

Lithium metal

Fire/explosion hazard (reacts with N<sub>2</sub>)