

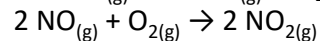
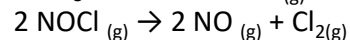
Corrosive Acids

- Damage skin, eyes, and respiratory tract
- Only thick butyl rubber gloves can protect from corrosive acids
- Standard first-aid treatment for spills on the skin is irrigation with large quantities of water for 15 min
- Conc. HNO₃ reacts with keratin staining skin yellow, then orange when neutralized

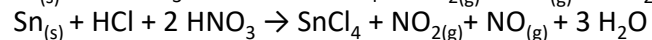
Aqua Regia

3:1 mixture of conc. HCl and HNO₃

Mixture decomposes rapidly generating gases



Metals are fully oxidized generating soluble chloride salts



Fuming HNO₃ to nitrile gloves

<https://www.youtube.com/channel/UCFhXFikryT4aFcLkLw2LBLA>



Aqua regia added to Zn⁰ powder

<https://www.youtube.com/channel/UC9XDwNjdmBcC7iNBKhLptQ>