

# Metal Carbonyls

## General properties

- Give off CO ligands with heat or light
- Highly flammable
- Can be volatile and liquids

## Uses

- Precursors for metal complexes
- Controllable CO source
- Industrial purification of metals
- Catalysis

## Safety

- Inhalation of CO: Treat same as CO poisoning
- Exposure of metal through inhalation or dermally seek immediate medical attention
- Completely avoid  $\text{NiCO}_4$
- Be sure to always handle in fume hood
- Do not put under high vacuum

