










Pyrophoric Table

Pyrophoric Type	GHS Pictogram and Signal Word	Example
Grignard reagents	 <p style="text-align: center;">Danger</p>	Alkyl or aryl magnesium halide (RMgX, ArMgX)
Metal alkyls and metal aryls	 <p style="text-align: center;">Danger</p>	Tertiary butyl lithium (tert. BuLi), trialkyl aluminum (R ₃ Al), dialkyl zinc (R ₂ Zn), trialkyl arsenic (R ₃ As), etc.
Metal carbonyls	 <p style="text-align: center;">Danger</p>	Nickel tetracarbonyl Ni(CO) ₄ , Iron pentacarbonyl Fe(CO) ₅ , Dicobalt octacarbonyl Co ₂ (CO) ₈ , etc.
Alkali metals	 <p style="text-align: center;">Danger</p>	Cesium, lithium, potassium, sodium, etc.
Metal powders	 <p style="text-align: center;">Danger</p>	Examples include cobalt (Co), iron (Fe), zinc (Zn), and zirconium (Zr).
Metal hydrides	 <p style="text-align: center;">Danger</p>	Sodium hydride (NaH), potassium hydride (KH), lithium aluminum hydride (LiAlH ₄), sodium borohydride (NaBH ₄), etc.
Nonmetal hydrides	 <p style="text-align: center;">Danger</p>	Diethylphosphine (R ₂ HP), trialkyl phosphine (R ₃ P), trialkyl borane(R ₃ B), tetramethyl silane, (R ₄ Si), etc.
Nonmetal	 <p style="text-align: center;">Danger</p>	White phosphorus
Pyrophoric gases	 <p style="text-align: center;">Danger</p>	Diborane (B ₂ H ₆), dichlorosilane (R ₂ SiH ₂), silane (SiH ₄), phosphine (PH ₃), arsine (AsH ₃), etc.