Cyanide

- Classification
  Inorganic cyanides: NaCN, KCN, HCN etc. (very toxic)
  Organic cyanides: Known as nitriles (less toxic)

- Dangers
  Lethal doses: HCN (60–90 mg), KCN (200 mg)
  Very toxic by inhalation, in contact with skin and if swallowed.
  (MCN) Contact with acids liberates very toxic gas (HCN).
  Target organs: central nervous system, cardiovascular system.

- Handling
  PPE (goggles, gloves, lab coat, pants, closed-toe shoes)
  Lab coat sleeves tucked into gloves or rubber-banded
  Should prevent running the reaction under acidic conditions
  Be super careful for large scale reactions
  Wash thoroughly after handling. Remove contaminated clothing.

- Quenching
  Put into special and labeled waste containers and give it to safety department.
  Cyanide salts can be detoxified most efficiently with hydrogen peroxide.

- Antidote
  Cyanide antidote kit (contains amyl nitrite, sodium nitrite and sodium thiosulfate)