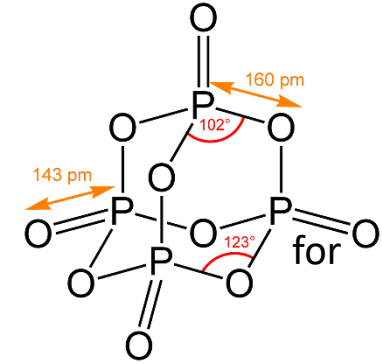


Phosphorus Pentoxide(P₂O₅)



- **P₂O₅:** Dehydration agent, Hygroscopic, Reacts violently with water.
- **Hazards:** Causes severe burns.
 - **Fire:** dry powder, carbon dioxide, or alcohol-resistant foam (no water). Wear self contained breathing apparatus fire fighting if necessary (toxic and corrosive fumes)
- **Safe Handling (PPE) & Storage:**
 - **Storage:** cool, dry, well-ventilated area away from incompatible substances. Keep away from water. Keep away from metals. Corrosives area. Keep containers tightly closed. Keep away from strong bases
 - **Incompatibilities :** sodium, aluminum, potassium, ammonia, peroxides, and magnesium. **Violent reaction with:** water, barium sulfide, hydrogen fluoride, and iodides. **Forms an explosive mixture with:** methyl hydroperoxide. **Ignition upon contact:** 3-propynol. **Hazardous Decomposition Products:** Oxides of phosphorus, phosphorous fumes.
- **First Aid Measures:**
 - **Eye Contact:** Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Do NOT allow victim to rub eyes or keep eyes closed. Extensive irrigation with water is required (at least 30 minutes). Get medical aid immediately. *May cause permanent damage.*
 - **Ingestion:** Do not induce vomiting. If victim is conscious and alert, give 2-4 cupfuls of milk or water. Never give anything by mouth to an unconscious person. Get medical aid immediately.
 - **Inhalation:** Remove from exposure and move to fresh air immediately. If breathing is difficult, give oxygen. Get medical aid. If breathing has ceased apply artificial respiration using oxygen and a suitable mechanical device such as a bag and a mask.
 - **Skin Contact:** Get medical aid immediately. Immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Wash clothing before reuse. Destroy contaminated shoes.