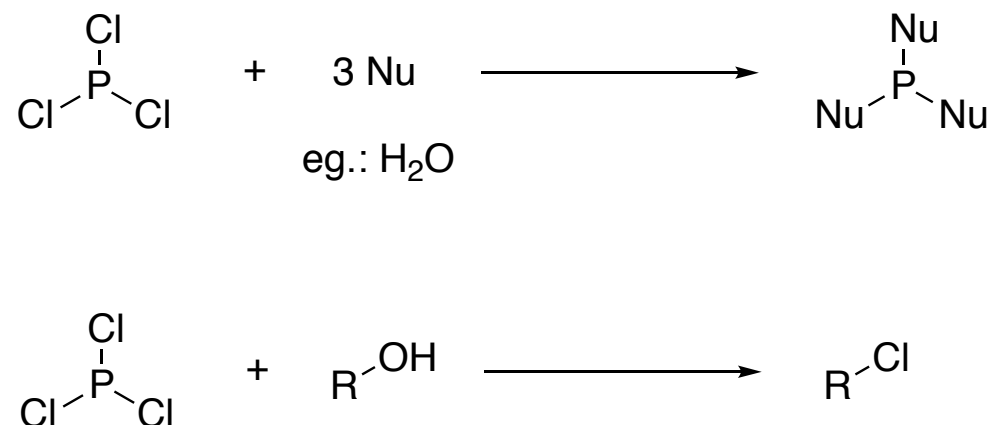
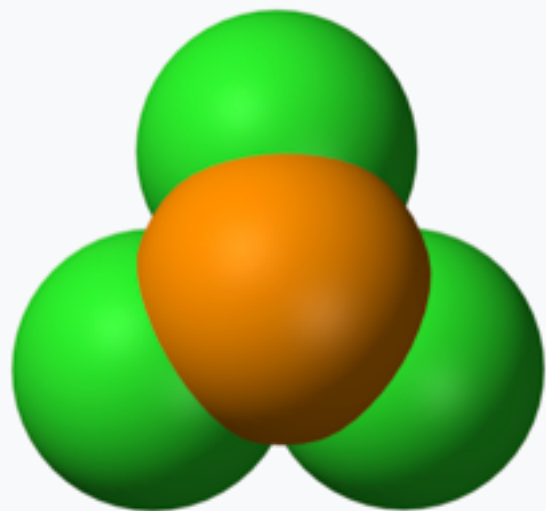
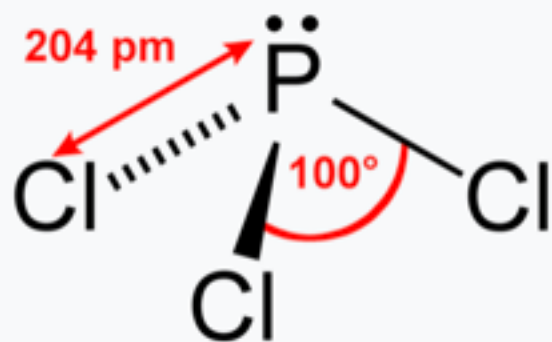


# Safety Slide

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# PCl<sub>3</sub>



## –Hazards

Very toxic and corrosive (with a concentration of 600 ppm being lethal in a few minutes); React vigorously with water.

## –Storage

Store in a sealed, cool, dry container, separate from combustible materials  
Stay away from nucleophilic reagents

## –Handling

PPE (goggles, gloves, lab coat, pants, closed-toe shoes) as always

Keep a supply of dry sand available and ensure there is a Class D extinguisher

Don't heat PCl<sub>3</sub> without proper containment for generated HCl and phosphoric acid vapors. Reagent may form phosphine and diphosphine gases by thermal decomposition.

## –Dispose

Store wastes in tightly sealed containers. Dispose as hazardous waste.