Chemical of the Week – Part 1

Instructions: Review the following and complete the hazard profile. Try to do as much as possible from memory, then check with at least 3 sources to complete the profile.

The solution will be provided later this week.

The Chemical of the Week is **Phosphorus trichloride**

Hazard Profile	
Chemical Name and Pseudonyms	
UN Number	
Chemical Formula	
Chemical Structure	
Hazards	
NFPA Hazard Class (H-F-R-Ⓞ)	
PPE Considerations	
Fire Fighting Considerations	
Decontamination	
Detection and Monitoring	
Chemical and Physical Properties	
Physical State	
Vapor Pressure	
Boiling Point	
Vapor Density	
Specific Gravity	
Miscibility	
Flash Point	
LEL/UEL	
Auto Ignition Temperature	
Toxicity	
IDLH	
LC50	
LD50	
AEGL1/AEGL 2/AEGL 3 – 10 Min.	
Emergency Response Planning Guide (ERPG) 1/2/3	
Protective Action Criteria (PAC) 1/2/3	
PEL/REL/STEL	
pH	
Radioactive (Yes/No)	

Medical	
Toxicological Considerations	
Signs/Symptoms of Exposure	
Medical Treatment	
Other Information	
Chemical Structure	