Physical Hazards		
Flammable Liquids and Combustible Liquids		
Any liquid having a flashpoint below 100 deg. F (37.8 deg. C°), except any mixture having components with flashpoints of 100 deg. F° (37.8 deg. C°) or higher, the total of which make up 99 percent or more of the total volume of the mixture	Examples : Ethanol, Acetone	
Compressed Gases		
There are three major groups of compressed gases stored in cylinders:	Examples:	
 Liquefied: gases which can become liquids at normal temperatures when they are inside cylinders under pressure. Non-liquefied gas: do not become liquid when they are compressed at normal temperatures, even at very high pressures 	 Liquefied gas (e.g. Chlorine, propane, anhydrous ammonia) Non-liquefied gas (e.g. oxygen, nitrogen, helium, argon) 	
 Dissolved gases: A nonliquefied compressed gas that is dissolved in a solvent. 	 Dissolved gas (e.g., acetylene) 	
Explosives		
A chemical that causes a sudden, almost instantaneous release of pressure, gas, and heat when subjected to sudden shock, pressure, or high temperature	Examples : Nitroglycerin, dry picric acid	
Organic peroxides		
An organic peroxide is any organic compound having two oxygen atoms joined (-O-O-). Organic peroxides can be severe fire and explosion hazard.	Example : Benzoyl peroxide	
Reactives		
A chemical which in the pure state, or as produced or transported, will vigorously polymerize, decompose, condense, or will become self- reactive under conditions of shocks, pressure or temperature	Examples : Alkali metals, some hydrides, phosphorus, sodium	
Oxidizers		
A chemical that initiates or promotes combustion in other materials, thereby causing fire either of itself or through the release of oxygen or other gases	Examples : Potassium permanganate, sodium nitrate, nitrites, chlorates	
Pyrophorics		
Pyrophoric materials are substances that ignite instantly upon exposure to oxygen	Examples: Finely divided metal powders, alkyllithiums, white phosphorus	

Health Hazards		
Carcinogens		
 A chemical is considered to be a carcinogen if: it has been evaluated by the International Agency for Research on Cancer (IARC), and found to be a carcinogen or potential carcinogen; or it is listed as a carcinogen or potential carcinogen in the Annual Report on Carcinogens published by the National Toxicology Program (NTP) (latest edition); or, it is regulated by OSHA as a carcinogen. 	Examples : Benzene, Carbon tetrachloride	
Reproductive Toxins		
Chemicals which affect the reproductive capabilities including chromosomal damage (mutations) and effects on fetuses (teratogenesis)	Examples : Ethylene oxide, lead	
Irritants		
A chemical, which is not corrosive, but which causes a reversible inflammatory effect on living tissue by chemical action at the site of contact	Examples : Sodium hydroxide, Potassium hydroxide, Hydrochloric acid	
Corrosives		
A chemical that causes visible destruction of, or irreversible alterations in, living tissue by chemical action at the site of contact. Corrosives can also damage or even destroy metal.	Examples : sulfuric acid, bromine, Acetyl bromide, ammonia, Sulfur chlorides,	
Sensitizers		
A chemical that causes a substantial proportion of exposed people or animals to develop an allergic reaction in normal tissue after repeated exposure to the chemical	Example : Formaldehyde (CH ₂ O), latex, toluene	
Hepatotoxin		
Hepatotoxin is a chemical that damages the liver	Examples : carbon tetrachloride arsenic, acetylene tetrachloride, Ethylene bromide	
Nephrotoxins		
A chemical that damages or destroys the cells and/or tissues of the kidneys	Example : Naproxen Sodium (Ibuprofen), sulphonamides, lithium salts Uranium	