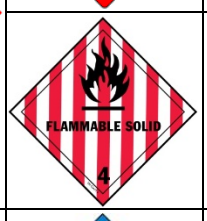
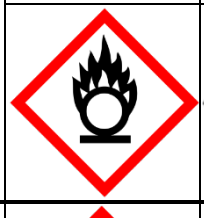
Chemical Segregation Chart

Category	GHS Pictogram	DOT Placard	Chemical Hazard	Storage	Example Chemicals	Incompatibles (also check SDS)
Compressed Gas			Flammable	• Cool, dry area • 20 ft. away from oxidizing gases • Secure cylinders upright and immovable • Portable propane gas cylinders cannot be stored indoors	Methane Acetylene Propane	Oxidizing gases Toxic gases Oxidizing solids
			Oxidizing	• Cool, dry area • 20 ft. away from flammables or separated by 5 ft. high wall with 0.5hr fire resistance • Secure cylinders upright and immovable	Oxygen Chlorine Fluorine mixtures	Flammable gases
			Poisonous	• Cool, dry area • Away from flammable gases and liquids • Secure cylinders upright and immovable	Carbon monoxide Hydrogen sulfide	Flammable gases Oxidizing gases
Corrosives			Inorganic Acids	• Separate, protected acid storage cabinet • NOT on metal shelves	Hydrochloric acid Sulfuric acid Phosphoric acid	Flammable liquids Flammable solids Bases Oxidizers Organic acids
			Organic Acids	• Separate, protected acid storage cabinet • NOT on metal shelves	Acetic acid Trichloroacetic acid Lactic acid	Flammable liquids Flammable solids Bases Oxidizers Inorganic acids
			Oxidizing Acids	• Separate, protected acid storage cabinet • NOT on metal shelves • Away from flammables	Nitric Acid Perchloric acid Chromic acid	Flammable liquids Flammable solids Inorganic acids Organic acids Bases
			Bases	• Storage cabinet separate from all acids	Ammonium hydroxide Potassium hydroxide Sodium hydroxide	Flammable liquids Oxidizers Poisons Acids
Reactives			Explosives	• Secure location • Away from all other chemicals • Not able to fall	Picric acid (dry) Tri-nitro compounds Heavy metal azides	All other chemicals
			Flammable Liquids	• Flammable storage cabinet • Peroxide forming chemicals must be dated when opened	Acetone Benzene Methanol	Acids Bases Oxidizers Poisons
			Flammable Solids	• Separate, dry, cool area • Away from oxidizers • Away from corrosives	Phosphorous Carbon Charcoal	Acids Bases Oxidizers Poisons
	n.a.		Water Reactive Chemicals	• Dry, cool location • Protect from water (including fire sprinkler system!!) • Label location “water reactive”	Sodium metal Potassium metal Lithium Metal	All aqueous solutions Oxidizers
			Oxidizers	• Use a spill tray • Non-combustible cabinet • Away from flammables	Hydrogen peroxide Potassium dichromate Halogens Nitrate compounds	Reducing agents Flammables Organic materials
Other			Poisons	• Vented, cool, dry area • Use a chemically resistant secondary container	Cyanides Heavy metal compounds	Flammable liquids Acids Bases Oxidizers