

























GHS (Globally Harmonized System) Hazard Classes and Label Elements under OSHA Hazard Communication

Hazard Classes	Pictograms and Hazard Statements (associated with Signal Words “ <u>Danger</u> ” if <u>underlined</u> or “Warning” otherwise)			
Acute Toxicity				
	<u>Fatal if swallowed</u> <u>Fatal if in contact with skin</u> <u>Fatal If inhaled</u>	<u>Toxic if swallowed</u> <u>Toxic if in contact with skin</u> <u>Toxic if inhaled</u>	Harmful if swallowed Harmful if contact with skin Harmful if inhaled	
Sensitization				No Pictogram No Signal Word
	<u>Causes allergy or asthma symptoms and difficulty breathing if inhaled</u>	<u>Causes damage to organs</u>	May cause an allergic skin reaction	
	Target Organs Single Exposure	<u>Causes damage to organs over prolonged or repeated exposure</u>	May cause damage to organs over prolonged or repeated exposure	May cause respiratory irritation May cause dizziness or drowsiness
Target organs (Prolonged Exposure)	<u>Causes damage to organs over prolonged or repeated exposure</u>	May cause damage to organs over prolonged or repeated exposure		
Aspiration	<u>May be fatal if swallowed and inhaled</u>			
Carcinogenicity	<u>May cause cancer</u>	Suspected of causing cancer		
Germ cell mutagenicity	<u>May cause genetic defects</u>	Suspected of causing genetic defects		
Toxic to reproduction	<u>May damage fertility or the unborn child</u>	Suspected of damage fertility or the unborn child		May cause harm to breast-fed child
Skin corrosion/irritation				No Pictogram
	<u>Causes serious skin burns or eye damage</u>		Causes skin irritation	
	Eye damage/irritation	<u>Causes serious eye damage</u>	Causes serious eye irritation	Causes eye irritation
Explosives				No Pictogram
	<u>Unstable Explosive</u>	<u>Mass explosion hazard</u> <u>Severe projection hazard</u> <u>Fire, blast or projection</u>	Fire or projection hazard	<u>May mass explode in fire</u>

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Self-reactive Organic Peroxides	<u>Heating may cause an explosion</u>	<u>Heating may cause fire or explosion</u>	<u>Heating may cause fire</u>	Heating may cause a fire
				No Pictogram
Flammable Liquids	<u>Extremely flammable liquid/ vapor</u>	<u>Highly flammable liquid/ vapor</u>	<u>Flammable liquid and vapor</u>	Combustible liquid
Flammable gases	<u>Extremely flammable gas</u>			Flammable gas
Flammable solids	<u>Flammable Solid</u>	Flammable solid		
Pyrophoric liquids, solids and gases	<u>Catches fire spontaneously if exposed to air</u>			
Self-heating	<u>Self-heating; may catch fire</u>	Self-heating in large quantities; may catch fire		
Emit flammable gas in contact with water	<u>In contact with water releases flammable gas that may ignite spontaneously.</u>	<u>In contact with water releases flammable gas.</u>	In contact with water releases flammable gas.	
Flammable aerosol	<u>Extremely flammable aerosol</u>	Flammable aerosol		
				
Oxidizing liquids and solids	<u>May cause fire or explosion; strong oxidizer.</u>	<u>May intensify fire; oxidizer</u>	May intensify fire; oxidizer	
Oxidizing gas	<u>May cause or intensify fire; oxidizer</u>			
			No Pictogram	
Gases under pressure	Contains gas under pressure; may explode if heated	Contains refrigerated gas; may cause cryogenic burns or injury		May displace oxygen and cause rapid suffocation
		No Pictogram		
Corrosive to metal	May be corrosive to metal			
Combustible Dust				May form combustible dust concentrations in air