GHS Classification

The Globally Harmonized System (GHS) revolutionizes chemical safety by standardizing hazard classification, labels, and safety data. This unified approach ensures consistent and high-quality information for all chemical users. The GHS covers all hazardous chemicals, providing a single, harmonized criteria for classification and clear communication elements for labels and safety data sheets. With GHS, hazardous products are easily identified with signal words, pictograms, and precautionary statements, while safety data sheets follow a standardized format, making it easier to stay safe and informed.

GHS CLASS AND CATEGORY

PICTOGRAM	DESCRIPTION	HAZARD CLASS AND CATEGORY	
	EXPLODING BOMB GHS01	Unstable explosives	PHYSICAL HAZARDS
		Explosives of Divisions 1.1, 1.2, 1.3, 1.4	
		Self reactive substances and mixtures, Types A,B	
		Organic peroxides, Types A,B	
	FLAME GHS02	Flammable gases, category 1	
		Flammable aerosols, categories 1,2	
		Flammable liquids, categories 1,2,3	
		Flammable solids, categories 1,2	
		Self-reactive substances and mixtures, Types B,C,D,E,F	
		Pyrophoric liquids, category 1	
		Pyrophoric solids, category 1	
		Self-heating substances and mixtures, categories 1,2	
		Substances and mixtures, which in contact with water,	
		emit flammable gases, categories 1,2,3	
		Organic peroxides, Types B,C,D,E,F	
	FLAME OVER CIRCLE GHS03	Oxidizing gases, category 1	
		Oxidizing liquids, categories 1,2,3	
	GAS CYLINDER GHS04	Gases under pressure:	
		- Compressed gases	
		- Liquefied gases	
		- Refrigerated liquefied gases	
		- Dissolved gases	

	CORROSION GHS05	Corrosive to metals, category 1	PHYSICAL & HEALTH HAZARDS
		Skin corrosion, categories 1A,1B,1C	
		Serious eye damage, category 1	
	SKULL AND CROSSBONES GHS06	Acute toxicity (oral, dermal, inhalation), categories 1,2,3	HEALTH HAZARDS
	EXCLAMATION MARK GHS07	Acute toxicity (oral, dermal, inhalation), category 4	
		Skin irritation, category 2	
		Eye irritation, category 2	
		Skin sensitisation, category 1	
		Specific Target Organ Toxicity – Single exposure, category 3	
	HEALTH HAZARD GHS08	Respiratory sensitization, category 1	
		Germ cell mutagenicity, categories 1A,1B,2	
		Carcinogenicity, categories 1A,1B,2	
		Reproductive toxicity, categories 1A,1B,2	
		Specific Target Organ Toxicity – Single exposure, categories 1,2	
		Specific Target Organ Toxicity – Repeated exposure, categories 1,2	
		Aspiration Hazard, category 1	
	ENVIRONMENT HAZARD GHS09	Hazardous to the aquatic environment	ENVIRONMENTAL HAZARDS
		- Acute hazard, category1	
		- Chronic hazard, categories 1,2	