

The US GHS Approach

PHYSICAL HAZARDS

Hazard classes and hazard categories*	Label elements	
Explosives <ul style="list-style-type: none"> Unstable explosives Explosives, divisions 1.1 to 1.3 Self-reactive substances, mixtures, types A, B*** Organic peroxides, types A, B***	 H200 H201, H202, H203 H240, H241 H240, H241	Danger
Explosives, division 1.4	 H204	Warning
Explosives, division 1.5	H205	Danger
Flammable gases, categories 1, 2 Flammable aerosols, categories 1, 2 Flammable liquids, categories 1, 2	 H220, H221 H222, H223 H224, H225	Warning Danger
Flammable liquids, category 3	 H226	Warning
Flammable liquids, category 4	H227	Warning
Flammable solids, category 1 Flammable solids, category 2	 H228 H228	Warning Danger
Pyrophoric liquids, category 1 Pyrophoric solids, category 1 Substances, mixtures which in contact with water emit flammable gases, categories 1, 2 and category 3	H250 H250 H260, H261 H261	Danger
Self-reactive substances, mixtures, type B*** Self-reactive substances, mixtures, types C, D and types E, F Self-heating substances, mixtures, category 1 and category 2	 H241 H242 H242 H251 H252	Warning Danger
Organic peroxides, type B*** Organic peroxides, types C, D Organic peroxides, types E, F	H241 H242 H242	Danger
Oxidizing gases, category 1 Oxidizing liquids, categories 1, 2 and category 3 Oxidizing solids, categories 1, 2 and category 3	 H270 H271, H272 H272 H271, H272 H272	Warning Danger
Gases under pressure <ul style="list-style-type: none"> Compressed gases Liquefied gases Refrigerated liquefied gases Dissolved gases 	 H280 H280 H281 H280	Warning
Corrosive to metals, category 1	 H290	Warning

HEALTH HAZARDS

Hazard classes and hazard categories*	Label elements	
Acute toxicity, categories 1, 2 <ul style="list-style-type: none"> Oral Dermal Inhalation 	 H300 H310 H330	Danger
Acute toxicity, category 3 <ul style="list-style-type: none"> Oral Dermal Inhalation 	 H301 H311 H331	Danger
Acute toxicity, category 4 <ul style="list-style-type: none"> Oral Dermal Inhalation 	 H302 H312 H332	Warning
Germ cell mutagenicity, categories 1A, 1B Carcinogenicity, categories 1A, 1B Reproductive toxicity, categories 1A, 1B STOT**, single exposure, category 1 STOT**, repeated exposure, category 1	 H340 H350 H360 H370 H372	Danger
Respiratory sensitization, categories 1 (1A, 1B) Aspiration hazard, category 1	 H334 H304	Danger
Germ cell mutagenicity, category 2 Carcinogenicity, category 2 Reproductive toxicity, category 2 STOT**, single exposure, category 2 STOT**, repeated exposure, category 2	 H341 H351 H361 H371 H373	Warning
Skin corrosion, categories 1A, 1B, 1C	 H314	Danger
Serious eye damage, category 1	 H318	Danger
Skin irritation, category 2 Eye irritation, category 2A, 2B Skin sensitization, categories 1 (1A, 1B) STOT**, single exposure, category 3 <ul style="list-style-type: none"> Respiratory tract irritation Narcotic effects 	 H315 H319, H320 H317 H335 H336	Warning
Effects on or via lactation	H362	Warning

LABEL ELEMENTS FOR OSHA DEFINED HAZARDS

Pyrophoric gas Catches fire spontaneously if exposed to air		Danger
Simple asphyxiant May displace oxygen and cause rapid suffocation		Warning
Combustible dust May form combustible dust concentrations in air		Warning

* Based on HazCom 2012 (US GHS)
 ** Specific Target Organ Toxicity
 *** Two label elements apply to this category

This poster is only a simplified and exemplary view on OSHA's Hazard Communication Standards (HCS), HazCom 2012

