

The Global Harmonized System (GHS) Codes and Pictograms

H-CODES		P-CODES	
H-200 PHYSICAL HAZARDS		H-400 ENVIRONMENTAL HAZARDS	
H200	Unstable Explosive	H400	Very toxic to aquatic life.
H201	Explosive; mass explosion hazard.	H410	Very toxic to aquatic life with long lasting effects.
H202	Explosive; severe projection hazard.	H411	Toxic to aquatic life with long lasting effects.
H203	Explosive; fire, blast or projection hazard.	H412	Harmful to aquatic life with long lasting effects.
H204	Fire or projection hazard.	H413	May cause long lasting harmful effects to aquatic life.
H205	May mass explode in fire.	H420	Harms public health and the environment by destroying ozone in the upper atmosphere.
H220	Extremely flammable gas.		
H221	Flammable gas.		
H222	Extremely flammable aerosol.		
H223	Flammable aerosol.		
H224	Extremely flammable liquid and vapour.		
H225	Highly Flammable liquid and vapour.		
H226	Flammable liquid and vapour.		
H228	Flammable solid.		
H240	Heating may cause an explosion.		
H241	Heating may cause a fire or explosion.		
H242	Heating may cause a fire.		
H250	Catches fire spontaneously if exposed to air.		
H251	Self-heating; may catch fire.		
H252	Self-heating in large quantities; may catch fire.		
H260	In contact with water releases flammable gases which may ignite spontaneously.		
H261	In contact with water releases flammable gas .		
H270	May cause or intensify fire; oxidizer.		
H271	May cause fire or explosion; strong oxidiser.		
H272	May intensify fire; oxidizer.		
H280	Contains gas under pressure; may explode if heated.		
H281	Contains refrigerated gas; may cause cryogenic burns or injury.		
H290	May be corrosive to metals.		
H-300 HEALTH HAZARDS			
H300	Fatal if swallowed.		
H301	Toxic if swallowed.		
H302	Harmful if swallowed.		
H304	May be fatal if swallowed and enters airways.		
H305	May be fatal if swallowed and enters airways.		
H310	Fatal in contact with skin.		
H311	Toxic in contact with skin		
H312	Harmful in contact with skin.		
H314	Causes severe skin burns and eye damage.		
H315	Causes skin irritation.		
H317	May cause an allergic skin reaction.		
H318	Causes serious eye damage.		
H319	Causes serious eye irritation.		
H330	Fatal if inhaled.		
H331	Toxic if inhaled.		
H332	Harmful if inhaled.		
H334	May cause allergy or asthma symptoms or breathing difficulties if inhaled.		
H335	May cause respiratory irritation.		
H336	May cause drowsiness or dizziness.		
H340	May cause genetic defects.		
H341	Suspected of causing genetic defects.		
H350	May cause cancer.		
H350i	May cause cancer by inhalation.		
H351	Suspected of causing cancer.		
H360	May damage fertility or the unborn child.		
H360F	May damage fertility.		
H360D	May damage the unborn child.		
H360FD	May damage fertility. May damage the unborn child.		
H360Fd	May damage fertility.Suspected of damaging unborn child.		
H360Df	May damage the unborn child.Suspected of damaging fertility.		
H361	Suspected of damaging fertility or the unborn child.		
H361f	Suspected of damaging fertility.		
H361d	Suspected of damaging the unborn child.		
H361fd	Suspected of damaging fertility.Suspected of damaging the unborn child.		
H362	May cause harm to breast-fed children.		
H370	Causes damage to organs.		
H371	May cause damage to organs.		
H372	Causes damage to organs through prolonged or repeated exposure.		
H373	Causes damage to organs through prolonged or repeated exposure.		

SAFETY/HAZARD PICTOGRAMS AND CODES



GH501
Exploding Bomb



GH502
Flame



GH503
Flame over Circle



GH507
Exclamation Mark



GH504
Gas Cylinder



GH505
Corrosion



GH506
Skull and Crossbones
















GH508
Health Hazard













GH509
Environment

The Global Harmonised System (GHS) within the EU

The new classification and labelling system according to CLP regulation (EC) No 1272/2008

Hazard class	Category	Pictogram	Signal word	Code	Hazard statements	P-Codes
Explosives	Unstable Explosive		Danger	H200	Unstable Explosive	P201, P202, P281, P372, P373, P380, P401, P501
	Div 1.1		Danger	H201	Explosive; mass explosion hazard	P210, P230, P240, P250, P280, P370+P380, P372, P373, P401, P501
	Div 1.2		Danger	H202	Explosive; severe projection hazard	P210, P230, P240, P250, P280, P370+P380, P372, P373, P401, P501
	Div 1.3		Danger	H203	Explosive; fire, blast or projection hazard	P210, P230, P240, P250, P280, P370+P380, P372, P373, P401, P501
	Div 1.4		Warning	H204	Fire or projection hazard	P210, P240, P250, P280, P370+P380, P372, P373, P401, P501
	Div 1.5	No Pictogram	Danger	H205	May mass explode in fire	P210, P230, P234, P240, P250, P280, P370+P380, P372, P373, P401, P501
	Div 1.6	No Pictogram				
Flammable gases	Category 1		Danger	H220	Extremely flammable gas	P210, P377, P381, P403
	Category 2	No Pictogram	Warning	H221	Flammable gas	P210, P377, P381, P403
Flammable aerosols	Category 1		Danger	H222	Extremely flammable aerosol	P210, P211, P251, P410+P412
	Category 2		Warning	H223	Flammable aerosol	P210, P211, P251, P410+P412
Flammable liquids	Category 1		Danger	H224	Extremely flammable liquid and vapour	P210,P233, P240, P241, P242, P243, P280, P303+ P361+P353, P370+P378, P403+P235, P501
	Category 2		Danger	H225	Highly Flammable liquid and vapour	
	Category 3		Warning	H226	Flammable liquid and vapour	
Flammable solids	Category 1		Danger	H228	Flammable solid	P210, P240,P241, P280, P370+P378
	Category 2		Warning	H228	Flammable solid	
Self-reactive substances and mixtures; and Organic peroxides	Type A		Danger	H240	Heating may cause an explosion	P210, P220, P234, P280, P370+ P378, P370+ P380+P375, P403+P235, P411, P420, P501
	Type B	 	Danger	H241	Heating may cause a fire or explosion	P210, P220, P234, P280, P370+P378, P370+P380+P375, P403+P235, P411, P420, P501
	Type C, D		Danger	H242	Heating may cause a fire	P210, P220, P234, P280, P370+P378, P403+P235, P411, P420, P501
	Type E, F		Warning	H242	Heating may cause a fire	P210, P220, P234, P280, P370+P378, P403+P235, P411, P420, P501
	Type G	No Pictogram				
Pyrophoric liquids; Pyrorophoric solids	Category 1		Danger	H250	Catches fire spontaneously if exposed to air	P210, P222, P231, P280, P302+P334, P370+P378, P422
Self-heating substances and mixtures	Category 1		Danger	H251	Self-heating; may catch fire	P235+P410, P280, P407, P413, P420
	Category 2		Warning	H252	Self-heating in large quantities; may catch fire	
Substances And Mixtures Which, In Contact With Water, Emit Flammable Gases	Category 1		Danger	H260	In contact with water releases flammable gases which may ignite spontaneously	P223, P231+P232, P280, P335+ P334, P370+P378, P402+P404, P501
	Category 2		Danger	H261	In contact with water releases flammable gas	
	Category 3		Warning	H261	In contact with water releases flammable gas	P231+P232, P280, P370+P378, P402+P404, P501
Oxidising gases	Category 1		Danger	H270	May cause or intensify fire; oxidizer	P220, P244, P370+P376, P403
Oxidising liquids; Oxidising solids	Category 1		Danger	H271	May cause fire or explosion; strong oxidiser	P210, P220, P221, P280, P283, P306+P360, P371+P380+P375, P370+P378, P501
	Category 2		Danger	H272	May intensify fire; oxidizer	P210, P220, P221P280, P370+P378, P501
	Category 3		Warning	H272	May intensify fire; oxidizer	
Gases under pressure	Compressed gas		Warning	H280	Contains gas under pressure; may explode if heated	P410+P403
	Liquefied gas					
	Dissolved gas					
	Refrigerated liquefied gas		Warning	H281	Contains refrigerated gas; may cause cryogenic burns or injury	P282, P336, P315, P403
Corrosive to Metals	Category 1		Warning	H290	May be corrosive to metals	P234, P390, P406

Hazard class	Category	Pictogram	Signal word	Code	Hazard statements	P-Codes
Acute toxicity, oral	Category 1, 2		Danger	H300	Fatal if swallowed	P264, P270, P301+P310, P321, P330, P405, P501
	Category 3		Danger	H301	Toxic if swallowed	P264, P270, P301+P310, P321, P330, P405, P501
	Category 4		Warning	H302	Harmful if swallowed	P264, P270, P301+P312, P330, P501
Aspiration hazard	Category 1		Danger	H304	May be fatal if swallowed and enters airways	P301+P310, P331, P405, P501
Acute toxicity, dermal	Category 1, 2		Danger	H310	Fatal in contact with skin	P262, P264, P270, P280, P302+P350, P310, P322, P361, P363, P405, P501
	Category 3		Danger	H311	Toxic in contact with skin	P280, P302+P352, P312, P322, P361, P363, P405, P501
	Category 4		Warning	H312	Harmful in contact with skin	P280,P302+P352, P312, P322, P363, P501
Skin corrosion/ irritation	Category 1A, 1B, 1C		Danger	H314	Causes severe skin burns and eye damage	P260,P264, P280, P301+P330+ P331, P303+P361+P353, P363, P304+P340, P310, P321, P305+ P351+P338, P405, P501
	Category 2		Warning	H315	Causes skin irritation	P264, P280, P302+P352, P321, P332+P313, P362
Sensitisation, Skin	Category 1, Sub-Category 1A, Sub-Category 1B		Warning	H317	May cause an allergic skin reaction	P261, P272, P280, P302+P352, P333+P313, P321, P363, P501
Serious eye damage/ eye irritation	Category 1		Danger	H318	Causes serious eye damage	P280, P305+P351+P338, P310
	Category 2		Warning	H319	Causes serious eye irritation	P264, P280, P305+P351+P338, P337+P313P

Additional EU Hazard Class

Explosive when dry	EUH001
Explosive with or without contact with air	EUH006
Reacts violently with water	EUH014
In use may form flammable/explosive vapour-air mixture	EUH018
May form explosive peroxides	EUH019
Contact with water liberates toxic gas	EUH029
Contact with acids liberates toxic gas	EUH031
Contact with acids liberates very toxic gas	EUH032
Risk of explosion if heated under confinement	EUH044
Hazardous to the ozone layer	EUH059
Repeated exposure may cause skin dryness or cracking	EUH066
Toxic by eye contact	EUH070
Contains lead. Should not be used on surfaces liable to the chewed or sucked by children. Warning! Contains lead.	EUH201/ 201A

Contains chromium (VI). May produce an allergic reaction.	EUH203
Contains isocyanates. May produce an allergic reaction.	EUH204
Contains epoxy constituents. May produce an allergic reaction.	EUH205
Warning! Do not use together with other products. May release dangerous gases (chlorine).	EUH206
Warning! Contains cadmium. Dangerous fumes are formed during use. See information supplied by the manufacturer	EUH207
Contains <name of sensitising substance>. May produce an allergic reaction.	EUH208
Can become highly flammable in use. Can become flammable in use.	EUH209/ 209A
Safety data sheet available on request	EUH210
To avoid risks to human health and the environment, comply with the instructionsfor use.	EUH401

Hazard class	Category	Pictogram	Signal word	Code	Hazard statements	P-Codes
Acute toxicity, inhalation	Category 1, 2		Danger	H330	Fatal if inhaled	P260, P271, P284, P304+P340, P310, P320, P403+P233, P405, P501
	Category 3		Danger	H331	Toxic if inhaled	P261, P271, P304+P340, P311, P321, P403+P233, P405, P501
	Category 4		Warning	H332	Harmful if inhaled	P261, P271, P304+P340, P312
Sensitisation, respiratory	Category 1, Sub-Category 1A, Sub-Category 1B		Danger	H334	May cause allergy or asthma symptoms or breathing difficulties if inhaled	P261, P285, P304+P341, P342+P311, P501
Specific target organ toxicity, single exposure; Respiratory tract irritation	Category 1, 2		Warning	H335	May cause respiratory irritation	P261, P271, P304+P340, P312, P403+P233, P405, P501
	Category 3		Warning	H336	May cause drowsiness or dizziness	
	Category 3		Warning	H336	May cause drowsiness or dizziness	
Germ cell mutagenicity	Category 1A, 1B		Danger	H340	May cause genetic defects	P201,P202, P281, P308+P313, P405, P501
	Category 2		Warning	H341	Suspected of causing genetic defects	
Carcinogenicity	Category 1A, 1B		Danger	H350	May cause cancer	
	Category 1A, 1B		Danger	H350i	May cause cancer if inhaled	P201, P202, P281, P308+P313, P405, P501
	Category 2		Warning	H351	Suspected of causing cancer	
Reproductive toxicity	Category 1A, 1B		Danger	H360	May damage fertility or the unborn child	P201, P202, P281, P308+P313, P405, P501
	Category 1A, 1B		Danger	H360F	May damage fertility	
	Category 1A, 1B		Danger	H360D	May damage the unborn child.	
	Category 1A, 1B		Danger	H360FD	May damage fertility. May damage the unborn child	
	Category 1A, 1B		Danger	H361	Suspected of damaging fertility or the unborn child	
Reproductive toxicity	Category 1A, 1B		Warning	H361f	Suspected of damaging fertility	P201, P202, P281, P308+P313, P405, P501
	Category 1A, 1B		Warning	H361d	Suspected of damaging the unborn child	
	Category 1A, 1B		Warning	H361fd	Suspected of damaging fertility. Suspected of damaging the unborn child	
Reproductive toxicity, effects on or via lactation	Additional category	No Pictogram		H362	May cause harm to breast-fed children	P201, P260, P263, P264, P270, P308+P313
Specific target organ toxicity, single exposure	Category 1		Danger	H370	Causes damage to organs	P260, P264, P270, P307+P311, P321, P405, P501
	Category 2		Warning	H371	May cause damage to organs	P260, P264, P270, P309+P311, P405, P501
Specific target organ toxicity, repeated exposure	Category 1		Danger	H372	Causes damage to organs through prolonged or repeated exposure	P260, P264, P270, P314, P501
	Category 2		Warning	H373	Causes damage to organs through prolonged or repeated exposure	P260, P314, P501
Hazardous to the aquatic environment, acute hazard	Category 1		Warning	H400	Very toxic to aquatic life	P273, P391, P501
Hazardous to the aquatic environment, chronic hazard	Category 1		Warning	H410	Very toxic to aquatic life with long lasting effects	P273, P391, P501
	Category 2			H411	Toxic to aquatic life with long lasting effects	
	Category 3		No Pictogram	H412	Harmful to aquatic life with long lasting effects	P273, P501
	Category 4		No Pictogram	H413	May cause long lasting harmful effects to aquatic life	
Hazardous to the ozone layer	Ozone 1		Warning	H420	Harms public health and the environment by destroying ozone in the upper atmosphere	P502