






# CLP

## PHYSICAL HAZARDS

SYMBOL	SIGNAL WORD	HAZARD CLASS	HAZARD CATEGORY	H CODES	HAZARD STATEMENT
	Danger	Explosives	Unstable explosive	H200	Unstable explosives.
			Division 1.1	H201	Explosive; mass explosion hazard.
			Division 1.2	H202	Explosive, severe projection hazard.
		Self-reactive substances and mixtures	Division 1.3	H203	Explosive; fire, blast or projection hazard.
			Type A	H240	Heating may cause an explosion.
			Type B	H241	Heating may cause a fire or explosion.
Organic peroxides	Type A	H240	Heating may cause an explosion.		
	Type B	H241	Heating may cause a fire or explosion.		
	Division 1.4	H204	Fire or projection hazard.		
Warning	Explosives	Division 1.4	H204	Fire or projection hazard.	
	Danger	Flammable gases	Category 1	H220	Extremely flammable gas.
			Category 2	H221	Highly flammable gas.
			Category 3	H222	Flammable gas.
		Flammable aerosols	Category 1	H222	Extremely flammable aerosol.
			Category 2	H223	Highly flammable aerosol.
			Category 3	H224	Flammable aerosol.
		Flammable liquids	Category 1	H224	Extremely flammable liquid and vapour.
			Category 2	H225	Highly flammable liquid and vapour.
			Category 3	H226	Flammable liquid.
		Flammable solids	Category 1	H228	Flammable solid.
			Category 2	H229	Highly flammable solid.
			Category 3	H230	Flammable solid.
		Self-reactive substances and mixtures	Type B	H241	Heating may cause a fire or explosion.
			Type C and D	H242	Heating may cause a fire.
			Type E and F	H243	Heating may cause a fire or explosion.
		Organic peroxides	Type B	H241	Heating may cause a fire or explosion.
			Type C and D	H242	Heating may cause a fire.
			Type E and F	H243	Heating may cause a fire or explosion.
Pyrophoric liquids	Category 1	H250	Catches fire spontaneously if exposed to air.		
	Category 2	H251	Highly reactive liquid.		
	Category 3	H252	Reactive liquid.		
Pyrophoric solids	Category 1	H250	Catches fire spontaneously if exposed to air.		
	Category 2	H251	Highly reactive solid.		
	Category 3	H252	Reactive solid.		
Self-heating substances and mixtures	Category 1	H251	Self-heating; may catch fire.		
	Category 2	H252	Highly reactive.		
	Category 3	H253	Reactive.		
Substances and mixtures which, in contact with water emit flammable gases	Category 1	H260	In contact with water releases flammable gases which may ignite spontaneously.		
	Category 2	H261	In contact with water releases flammable gases.		
	Category 3	H262	Irritant when in contact with water.		
Warning	Flammable aerosols	Category 2	H223	Flammable aerosol.	
		Category 3	H224	Highly flammable aerosol.	
		Category 4	H225	Flammable aerosol.	
	Flammable liquids	Category 2	H226	Flammable liquid and vapour.	
		Category 3	H227	Highly flammable liquid and vapour.	
		Category 4	H228	Flammable liquid.	
Flammable solids	Category 2	H228	Flammable solid.		
	Category 3	H229	Highly flammable solid.		
	Category 4	H230	Flammable solid.		
Self-reactive substances and mixtures	Type E and F	H242	Heating may cause a fire.		
	Type G	H244	Heating may cause a fire or explosion.		
	Type H	H245	Heating may cause a fire or explosion.		
Organic peroxides	Type E and F	H242	Heating may cause a fire.		
	Type G	H244	Heating may cause a fire or explosion.		
	Type H	H245	Heating may cause a fire or explosion.		
Substances and mixtures which, in contact with water emit flammable gases	Category 3	H261	In contact with water releases flammable gases.		
	Category 4	H263	Irritant when in contact with water.		
	Category 5	H264	Very irritant when in contact with water.		
	Danger	Oxidizing gases	Category 1	H270	May cause or intensify fire; oxidiser.
			Category 2	H271	May cause fire or explosion; strong oxidiser.
			Category 3	H272	May intensify fire; oxidiser.
	Oxidizing liquids	Category 1	H271	May cause fire or explosion; strong oxidiser.	
		Category 2	H272	May intensify fire; oxidiser.	
		Category 3	H273	May oxidise; may cause or intensify fire.	
Oxidizing solids	Category 1	H271	May cause fire or explosion; strong oxidiser.		
	Category 2	H272	May intensify fire; oxidiser.		
	Category 3	H273	May oxidise; may cause or intensify fire.		
Warning	Oxidizing liquids	Category 3	H272	May intensify fire; oxidiser.	
		Category 4	H273	May oxidise; may cause or intensify fire.	
		Category 5	H274	Very oxidising.	
Oxidizing solids	Category 3	H272	May intensify fire; oxidiser.		
	Category 4	H273	May oxidise; may cause or intensify fire.		
	Category 5	H274	Very oxidising.		
	Warning	Gases under pressure	Gas under pressure	H280	Contains gas under pressure; may explode if heated.
			Refrigerated gas	H281	Contains refrigerated gas; may cause cryogenic burns or injury.
	Warning	Corrosive to metals	Category 1	H290	May be corrosive to metals.
No symbol	Danger	Explosives	Division 1.5	H205	May mass explode in fire.
			Division 1.6	H206	May explode in fire.
	Warning	Flammable gases	Category 2	H221	Flammable gas.
			Category 3	H222	Highly flammable gas.
			Category 4	H223	Flammable gas.
No word	Explosives	Division 1.6			
		Organic peroxides	Type G		
		Self-reactive substances and mixtures	Type G		

SYMBOL	SIGNAL WORD	HAZARD CLASS	HAZARD CATEGORY	H CODES	HAZARD STATEMENT
No symbol	No word				
				EUH001	Explosive when dry.
				EUH006	Explosive with or without contact with air.
				EUH014	Reacts violently with water.
				EUH018	In use may form flammable/explosive vapour-air mixture.
EUH019	May form explosive peroxides.				
EUH044	Risk of explosion if heated under confinement.				

**NOTES:**


- Some hazard statements have the following corollaries:
  - H360 - stable route of exposure if it is conclusively proven that no other routes of exposure cause the hazard.
  - H361 - stable route of exposure if it is conclusively proven that no other routes of exposure cause the hazard.
  - H362 - stable route of exposure if it is conclusively proven that no other routes of exposure cause the hazard.
  - H363 - stable route of exposure if it is conclusively proven that no other routes of exposure cause the hazard.
  - H364 - stable route of exposure if it is conclusively proven that no other routes of exposure cause the hazard.
  - H365 - stable route of exposure if it is conclusively proven that no other routes of exposure cause the hazard.
  - H366 - stable route of exposure if it is conclusively proven that no other routes of exposure cause the hazard.
  - H367 - stable route of exposure if it is conclusively proven that no other routes of exposure cause the hazard.
  - H368 - stable route of exposure if it is conclusively proven that no other routes of exposure cause the hazard.
  - H369 - stable route of exposure if it is conclusively proven that no other routes of exposure cause the hazard.
- For certain hazard statements letters are added to the 3-digit code.
  - The following additional codes are used:
    - H360F - May cause genetic defects.
    - H360FD - May damage the unborn child.
    - H360FDf - May damage the unborn child. Suspected of damaging fertility.
    - H360Ff - May damage fertility.
    - H360FDfD - May damage fertility. May damage the unborn child.
    - H360FDfDf - May damage fertility. Suspected of damaging the unborn child.
    - H360FDfDfD - Suspected of damaging the unborn child.
    - H360FDfDfDf - Suspected of damaging fertility.
    - H360FDfDfDfD - Suspected of damaging fertility. Suspected of damaging the unborn child.


## HEALTH HAZARDS

SYMBOL	SIGNAL WORD	HAZARD CLASS	HAZARD CATEGORY	H CODES	HAZARD STATEMENT		
	Danger	Acute toxicity, oral	Category 1	H300	Fatal if swallowed.		
			Category 2	H300	Fatal if swallowed.		
			Category 3	H301	Toxic if swallowed.		
		Acute toxicity, dermal	Category 1	H310	Fatal in contact with skin.		
			Category 2	H310	Fatal in contact with skin.		
			Category 3	H311	Toxic in contact with skin.		
Acute toxicity, inhalation	Category 1	H330	Fatal if inhaled.				
	Category 2	H330	Fatal if inhaled.				
	Category 3	H331	Toxic if inhaled.				
	Danger	Aspiration hazard	Category 1	H304	May be fatal if swallowed and enters airways.		
			Respiratory sensitization	Categories 1, 1A, 1B	H334	May cause allergy or asthma symptoms or breathing difficulties if inhaled.	
			Germ cell mutagenicity	Category 1A	H340	May cause genetic defects.	
		Carcinogenicity	Category 1B	H340	May cause genetic defects.		
			Category 1A	H350	May cause cancer.		
			Category 1B	H350	May cause cancer.		
		Reproductive toxicity	Category 1A	H360	May damage fertility or the unborn child.		
			Category 1B	H360	May damage fertility or the unborn child.		
			Category 1A	H370	Causes damage to organs.		
		Specific target organ toxicity - single exposure	Category 1	H372	Causes damage to organs through prolonged or repeated exposure.		
				Specific target organ toxicity - repeated exposure	Category 2	H305	May be harmful if swallowed and enters airways.
				Aspiration hazard		H341	Suspected of causing genetic defects.
Germ cell mutagenicity	Category 2	H351	Suspected of causing cancer.				
		Carcinogenicity	H361	Suspected of damaging fertility or the unborn child.			
		Reproductive toxicity	H371	May cause damage to organs.			
Specific target organ toxicity - single exposure	Category 2	H373	May cause damage to organs through prolonged or repeated exposure.				
		Specific target organ toxicity - repeated exposure	Category 1A	H314	Causes severe skin burns and eye damage.		
		Category 1B		H314	Causes severe skin burns and eye damage.		
Category 1C	Category 1C	Category 1C		H314	Causes severe skin burns and eye damage.		
			Serious eye damage/eye irritation	Category 1	H318	Causes serious eye damage.	
					Acute toxicity, oral	Category 4	H302
Acute toxicity, dermal	Category 4	H312					Harmful in contact with skin.
		Acute toxicity, inhalation	Category 4	H332			Harmful if inhaled.
				Skin corrosion/irritation	Category 2	H315	Causes skin irritation.
Skin sensitization	Categories 1, 1A, 1B					H317	May cause an allergic skin reaction.
		Serious eye damage/eye irritation	Category 2A			H319	Causes serious eye irritation.
				Specific target organ toxicity - single exposure	Category 3	H335	May cause respiratory irritation.
Category 3	Category 3					H336	May cause drowsiness or dizziness.
		Category 5	Category 5			H303	May be harmful if swallowed.
				Category 5	Category 5	H313	May be harmful in contact with skin.
Category 3	Category 3					H333	May be harmful if inhaled.
		Category 3	Category 3			H316	Causes mild skin irritation.
				Category 2B	Category 2B	H320	Causes eye irritation.
Additional category for effects on or via lactation	Additional category for effects on or via lactation					H362	May cause harm to breast-fed children.

SYMBOL	SIGNAL WORD	HAZARD CLASS	HAZARD CATEGORY	H CODES	HAZARD STATEMENT
No symbol	No word				
				EUH029	Contact with water liberates toxic gas.
				EUH031	Contact with acids liberates toxic gas.
				EUH032	Contact with acids liberates very toxic gas.
				EUH066	Repeated exposure may cause skin dryness or cracking.
				EUH070	Toxic by eye contact.
EUH071	Corrosive to the respiratory tract.				

## ENVIRONMENTAL HAZARDS

SYMBOL	SIGNAL WORD	HAZARD CLASS	HAZARD CATEGORY	H CODES	HAZARD STATEMENT
	Warning	Hazardous to the aquatic environment - Acute	Category 1	H400	Very toxic to aquatic life.
				H410	Very toxic to aquatic life with long lasting effects.
		Hazardous to the aquatic environment - Chronic	Category 2	H411	Toxic to aquatic life with long lasting effects.
H401	Toxic to aquatic life.				
No symbol	No word	Hazardous to the aquatic environment - Acute	Category 3	H402	Harmful to aquatic life.
				Hazardous to the aquatic environment - Chronic	Category 3
		Category 4	Category 4		

SYMBOL	SIGNAL WORD	HAZARD CLASS	HAZARD CATEGORY	H CODES	HAZARD STATEMENT
	Warning			EUH059	Hazardous to the ozone layer.

Based on Regulation EC 1272/2008 (CLP) and the third revised edition of the GHS (July, 2009).

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