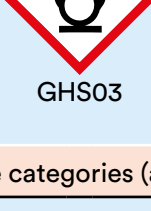
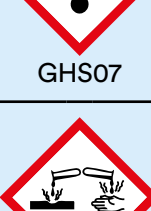
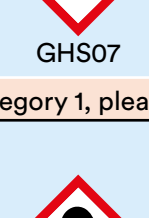
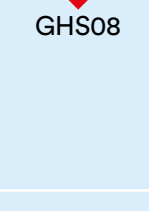


CLP Regulation (EC) No. 1272/2008

on the classification, labelling and packaging of substances and mixtures

Classification			Labelling				
Hazard-		Abbreviation of classification (without H set)	Pictogram, code*	Signal -word	Code*	Warning of danger	
Class	Category					Text	
Explosives	Unstable explosive	Unst. Expl.		Danger	H200	Unstable explosive	
	Division 1.1	Expl. 1.1			H201	Explosive; mass explosion hazard	
	Division 1.2	Expl. 1.2			H202	Explosive; severe projection hazard	
	Division 1.3	Expl. 1.3			H203	Explosive; fire, blast or projection hazard	
	Division 1.4	Expl. 1.4			H204	Fire or projection hazard	
	Division 1.5	Expl. 1.5	No Pictogram	Danger	H205	May mass explode in fire	
	Division 1.6	Expl. 1.6	No Pictogram	-	-	No hazard statement	
Desensitised Explosives	Category 1	Desen. Expl. 1		Danger	H206	Fire, blast or projection hazard; increased risk of explosion if desensitising agent is reduced	
	Category 2	Desen. Expl. 2			H207	Fire or projection hazard; increased risk of explosion if desensitising agent is reduced	
	Category 3	Desen. Expl. 3		Warning	H208	Fire hazard; increased risk of explosion if desensitising agent is reduced	
	Category 4	Desen. Expl. 4					
Flammable Gases (including chemically unstable gases)	Category 1A flammable gas and gases categorised as 1A meeting pyrophoric or unstable gas A/B criteria	Flam. Gas 1A		Danger	H220	Extremely flammable gas	
		Pyr. Gas			H220	Extremely flammable gas	
		Chem. Unst Gas A			H232	May ignite spontaneously if exposed to air	
		Chem. Unst Gas B			H220	Extremely flammable gas	
					H231	May react explosively even in the absence of air at elevated pressure and/or temperature	
	Category 1B	Flam. Gas 1B		Danger	H221	Flammable gas	
	Category 2	Flam. Gas 2	No Pictogram	Warning	H221	Flammable gas	
Aerosol	Category 1	Aerosol 1		Danger	H222	Extremely flammable aerosol	
	Category 2	Aerosol 2			H229	Pressurised container: May burst if heated	
		Category 3	Aerosol 3	GHS02	Warning	H229	Pressurised container: May burst if heated
	Category 3		Aerosol 3	No Pictogram	Warning	H229	Pressurised container: May burst if heated
Oxidising Gases		Category 1	Ox. Gas 1		Danger	H270	May cause or intensify fire; oxidiser
Gases under Pressure ⁽¹⁾	Compressed gas	Press. Gas		Warning	H280	Contains gas under pressure; may explode if heated	
	Liquefied gas				H281	Contains refrigerated gas; may cause cryogenic burns or injury	
	Refrigerated liquefied gas						
	Dissolved gas				H280	Contains gas under pressure; may explode if heated	
⁽¹⁾ = The hazard class "Gases under Pressure" is subdivided into 'Groups' (not 'Categories')							
Flammable Liquids	Category 1	Flam. Liq. 1		Danger	H224	Extremely flammable liquid and vapour	
	Category 2	Flam. Liq. 2			H225	Highly flammable liquid and vapour	
	Category 3	Flam. Liq. 3		Warning	H226	Flammable liquid and vapour	
Flammable Solids	Category 1	Flam. Sol. 1	GHS02	Danger	H228	Flammable solid	
	Category 2	Flam. Sol. 2		Warning			
Self-reactive substances and mixtures(2)	Type A	Self-react. A		Danger	H240	Heating may cause an explosion	
		Org. Perox. A					
	Type B	Self-react. B		Warning	H241	Heating may cause a fire or explosion	
		Org. Perox. B					
	Type C and D	Self-react. C&D		Danger	H242	Heating may cause a fire	
		Org. Perox. C&D					
	Type E and F	Self-react. E&F	GHS02	Warning			
Org. Perox. E&F							
Type G	Self-react. G	No Pictogram	No Signal word	-	No hazard statement		
	Org. Perox. G						
⁽²⁾ = Two separate hazard classes have the same categories (and are therefore grouped).							
Pyrophoric Liquids	Category 1	Pyr. Liq. 1		Danger	H250	Catches fire spontaneously if exposed to air	
Pyrophoric Solids	Category 1	Pyr. Sol. 1					
Self-heating substances and mixtures	Category 1	Self-heat. 1			Warning	H251	Self-heating; may catch fire
	Category 2	Self-heat. 2				H252	Self-heating in large quantities; may catch fire
Substances or mixtures which in contact with water emit flammable	Category 1	Water-react. 1			Danger	H260	In contact with water releases flammable gases which may ignite spontaneously
	Category 2	Water-react. 2	Danger	H261	In contact with water releases flammable gases		
	Category 3	Water-react. 3	Warning				
Oxidising Liquids ⁽²⁾ - Oxidising solids ⁽²⁾	Category 1	Ox. Liq. 1		Danger	H271	May cause fire or explosion; strong oxidiser	
	Category 2	Ox. Sol. 1			Warning	H272	May intensify fire; oxidiser
		Ox. Liq. 2					
	Category 3	Ox. Liq. 3					
⁽²⁾ = Two separate hazard classes have the same categories (and are therefore grouped).							
Corrosive to metals	Category 1	Met. Corr. 1		Warning	H290	May be corrosive to metals	
Acute Toxicity	Category 1	Acute Tox. 1		Danger	H300	Fatal if swallowed	
	Category 2	Acute Tox. 2			H310	Fatal in contact with skin	
	Category 3	Acute Tox. 3			H330	Fatal if inhaled	
	Category 4	Acute Tox. 4		Warning	H301	Toxic if swallowed	
H311					Toxic in contact with skin		
H331					Toxic if inhaled		
Skin corrosion / irritation	Category 1 ⁽³⁾	Skin Corr. 1		Danger	H314	Causes severe skin burns and eye damage	
	Category 1A	Skin Corr. 1A					
	Category 1B	Skin Corr. 1B					
	Category 1C	Skin Corr. 1C					
	Category 2	Skin Irr. 2		Warning	H315	Causes skin irritation	
⁽³⁾ = Conditions in place for the use of Category 1, please see Annex I to CLP							

Classification			Labelling						
Hazard-		Abbreviation of classification (without H set)	Pictogram, code*	Signal-word	Code*	Warning of danger			
Class	Category					Text			
Serious eye damage / eye irritation	Category 1	Eye Dam. 1	 GHS05	Danger	H318	Causes serious eye damage			
	Category 2	Eye Irr. 2	 GHS07	Warning	H319	Causes serious eye irritation			
Sensitisation of the respiratory tract or the skin	Respiratory Sensitisers Category 1 ⁽⁵⁾ and Sub-Categories 1A and 1B	Resp. Sens. 1 1A or 1B	 GHS08	Danger	H334	May cause allergy or asthma symptoms or breathing difficulties if inhaled			
	Skin Sensitisers Category 1 ⁽⁵⁾ and Sub-Categories 1A and 1B	Skin. Sens. 1 1A or 1B	 GHS07	Warning	H317	May cause an allergic skin reaction			
⁽⁵⁾ = Conditions in place for the use of Category 1, please see Annex I to CLP									
Germ cell mutagenicity	Category 1 and Sub-Categories 1A and 1B	Muta. 1, 1A or 1B	 GHS08	Danger	H340	May cause genetic defects ⁽⁴⁾			
	Category 2	Muta. 2		Warning	H341	Suspected of causing genetic defects ⁽⁴⁾			
Carcinogenicity	Category 1 and Sub-Categories 1A and 1B	Carc. 1, 1A or 1B	 GHS08	Danger	H350 H350i	May cause cancer ⁽⁴⁾ May cause cancer when inhaled			
	Category 2	Carc. 2		Warning	H351	Suspected of causing cancer ⁽⁴⁾			
⁽⁴⁾ = State route of exposure if it is conclusively proven that no other routes of exposure cause the hazard									
Reproductive toxicity	Category 1 and Sub-Categories 1A and 1B	Repr. 1, 1A or 1B	 GHS08	Danger	H360 ⁽⁵⁾ H360F ⁽⁶⁾ H360D ⁽⁶⁾ H360FD ⁽⁶⁾ H360Fd ⁽⁶⁾ H360DF ⁽⁶⁾	May damage fertility or the unborn child May damage fertility May damage the unborn child May damage fertility. May damage the unborn child May damage fertility. Suspected of damaging the unborn child May damage the unborn child Suspected of damaging fertility			
					Category 2	Repr. 2	Warning	H361 ⁽⁵⁾ H361F ⁽⁶⁾ H361d ⁽⁶⁾ H361fd ⁽⁶⁾	Suspected of damaging fertility or the unborn child Suspected of damaging fertility Suspected of damaging the unborn child Suspected of damaging fertility Suspected of damaging the unborn child
								Additional category for effects on or via lactation	Lact.
	⁽⁵⁾ = (state specific effect if known)(state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard) ⁽⁶⁾ F = Fertility, D= Development (lowercase f, d = suspected effect)								
	Specific target organ toxicity (single exposure)	Category 1	STOT SE 1	 GHS08	Danger	H370	Causes damage to organs ⁽⁷⁾		
Category 2		STOT SE 2	Warning		H371	May cause damage to organs ⁽⁷⁾			
Category 3		STOT SE 3	 GHS07	Warning	H335 H336	May cause respiratory irritation May cause drowsiness or dizziness			
⁽⁷⁾ = (or state all organs affected, if known) (state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard)									
Specific target organ toxicity (repeated exposure)	Category 1	STOT RE 1	 GHS08	Danger	H372	Causes damage to organs ⁽⁸⁾ through prolonged or repeated exposure ⁽⁹⁾			
	Category 2	STOT RE 2		Warning	H373	May cause damage to organs ⁽⁸⁾ through prolonged or repeated exposure ⁽⁹⁾			
	⁽⁸⁾ = (state all organs affected, if known) ⁽⁹⁾ = (state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard)								
Aspiration Toxicity	Category 1	Asp. Tox. 1	 GHS08	Danger	H304	May be fatal if swallowed and enters airways			
Endocrine disruption for human health	Category 1	ED HH 1	No Pictogram	Danger	EUH380	May cause endocrine disruption in humans			
	Category 2	ED HH 2		Warning	EUH381	Suspected of causing endocrine disruption in humans			
Hazardous to the aquatic environment	Acute Category 1	Aquatic Acute 1	 GHS09	Warning	H400	Very toxic to aquatic life			
	Chronic Category 1	Aquatic Chronic 1			H410	Very toxic to aquatic life with long lasting effects			
	Chronic Category 2	Aquatic Chronic 2	No Signal Word	H411	Toxic to aquatic life with long lasting effects				
	Chronic Category 3	Aquatic Chronic 3			H412	Harmful to aquatic life with long lasting effects			
	Chronic Category 4	Aquatic Chronic 4	No Pictogram	No Signal Word	H413	May cause long lasting harmful effects to aquatic life			
Hazardous to the ozone layer	Category 1	Ozone 1	 GHS07	Warning	H420	Harms public health and the environment by destroying ozone in the upper atmosphere			
Endocrine disruption for the environment	Category 1	ED ENV 1	No Pictogram	Danger	EUH430	May cause endocrine disruption in the environment			
	Category 2	ED ENV 2		Warning	EUH431	Suspected of causing endocrine disruption in the environment			
Persistent, Bioaccumulative and Toxic or Very Persistent, Very Bioaccumulative	PBT	PBT	No Pictogram	Danger	EUH440	Accumulates in the environment and living organisms including in humans			
	vPvB	vPvB		Danger	EUH441	Strongly accumulates in the environment and living organisms including in humans			
Persistent, Mobile and Toxic or Very Persistent, Very Mobile	PMT	PMT	No Pictogram	Danger	EUH450	Can cause long-lasting and diffuse contamination of water resources			
	vPvM	vPvM		Danger	EUH451	Can cause very long-lasting and diffuse contamination of water resources			
* = The Code for the Pictogram and the H-statement do not need to be included on the label.									

Classification and Labelling is a set of criteria and rules used to determine if a chemical can cause harm to human health and the environment and involves the identification and evaluation of the physical properties of a chemical, along with its health and environmental effects and then communicating those hazards via a label.

The CLP Regulation (EC) No 1272/2008 on classification, labelling and packaging (CLP) of substances and mixtures entered into force on the 20th January 2009 and applies to all hazardous substances and mixtures placed on the market.

CLP incorporates the United Nations Globally Harmonised System of classification and labelling of chemicals (GHS) within Europe. GHS is updated on a biennial basis and subsequently these updates are included in CLP via an adaptation to technical progress. CLP is direct acting in all European Member States.

The Competent Authorities under the Chemicals Acts 2008 and 2010 in Ireland for the CLP Regulation are the Health and Safety Authority, for industrial chemicals and the Pesticides Registration and Control Division of the Department of Agriculture, Food and the Marine, for plant protection products and biocides.

The National Poisons Information Centre at Beaumont Hospital is appointed as the body responsible for the receipt of information relating to emergency health response in accordance with Article 45 and Annex VIII of CLP.

Further sources of information, assistance and guidance can be found at the following and via our Chemicals Helpdesk:

HSA Chemicals website:
<http://www.hsa.ie/chemicals>

Chemicals Helpdesk:
chemicals@hsa.ie or telephone 1890 289 389

Biocides Website:
<https://www.pcs.agriculture.gov.ie/biocides/>

Biocides Helpdesk:
biocides@agriculture.gov.ie

ECHA website:
<https://echa.europa.eu/regulations/clp>

NPIC website:
www.poisons.ie

The content of this poster is aligned up to the 22nd adaptation to technical progress (ATP) to CLP. The poster is subject to change as a result of further ATPs to CLP, please check the HSA and ECHA websites for updates. The HSA wish to acknowledge and thank the German Competent Authority, BAUA who provided the format on which this poster is based.