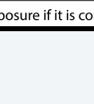


# Work Health and Safety Regulations: Classification and labelling for workplace hazardous chemicals

Classification		Labelling			
Hazard		Pictogram, code*	Signal word	Hazard Statement	
Class	Category			Code*	Text
Explosives	Unstable explosive		Danger	H200	Unstable explosive
	Division 1.1			H201	Explosive; mass explosion hazard
	Division 1.2			H202	Explosive; severe projection hazard
	Division 1.3			H203	Explosive; fire, blast or projection hazard
	Division 1.4	GHS01	Warning	H204	Fire or projection hazard
	Division 1.5	No GHS Pictogram <sup>(1)</sup>	Danger	H205	May mass explode in fire
	Division 1.6	No GHS Pictogram <sup>(1)</sup>	No Signal Word	N/A	No Hazard Statement
(1)=Explosives of Divisions 1.5 and 1.6 need to be labelled with their respective Dangerous Goods class label in accordance with the Australian Explosives Code.					
Flammable Gases <sup>(2)</sup>	Category 1A		Danger	H220	Extremely flammable gas
	Pyrophoric gas			H232	May ignite spontaneously if exposed to air
	Chemically unstable gas A			H230	May react explosively even in the absence of air
	Chemically unstable gas B			H231	May react explosively even in the absence of air at elevated pressure and/or temperature
	Category 1B			H221	Flammable gas
(2)=Pyrophoric and Chemically unstable gases must always be classified as flammable gases category 1A in addition to these hazard categories					
Aerosols	Category 1		Danger	H222	Extremely flammable aerosol
	Category 2			H229	Pressurised container: may burst if heated
				H223	Flammable aerosol
Category 3	No Pictogram	Warning	H229	Pressurised container: may burst if heated	
Oxidising Gases	Category 1		Danger	H270	May cause or intensify fire; oxidiser
Gases under Pressure <sup>(3)</sup>	Compressed gas		Warning	H280	Contains gas under pressure; may explode if heated
	Liquefied gas				
	Dissolved gas			H281	Contains refrigerated gas; may cause cryogenic burns or injury.
	Refrigerated liquefied gas				
(3)= The hazard class "Gases under Pressure" is subdivided into "Groups" (not "Categories").					
Flammable Liquids	Category 1		Danger	H224	Extremely flammable liquid and vapour
	Category 2			H225	Highly flammable liquid and vapour
	Category 3			H226	Flammable liquid and vapour
	Category 4			H227	Combustible liquid
Flammable Solids	Category 1		Danger	H228	Flammable solid
Category 2	Warning				
Self-reactive substances and mixtures <sup>(4)</sup>	Type A		Danger	H240	Heating may cause an explosion
	Type B			H241	Heating may cause a fire or explosion
Organic Peroxides <sup>(4)</sup>	Type C and D		Warning	H242	Heating may cause a fire
	Type E and F				
	Type G				
(4)= Two separate hazard classes have the same categories (and are therefore grouped).					
Pyrophoric Liquids	Category 1		Danger	H250	Catches fire spontaneously if exposed to air
Pyrophoric Solids	Category 1				
Self-heating substances and mixtures	Category 1		Danger	H251	Self-heating; may catch fire
	Category 2			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
	Category 2			H261	In contact with water releases flammable gases
	Category 3				
Oxidising Liquids <sup>(5)</sup>	Category 1		Danger	H271	May cause fire or explosion; strong oxidiser
Oxidising Solids <sup>(5)</sup>	Category 2			H272	May intensify fire; oxidiser
	Category 3				
(5)= Two separate hazard classes have the same categories (and are therefore grouped).					
Corrosive to metals	Category 1		Warning	H290	May be corrosive to metals
Desensitised explosives	Category 1		Danger	H206	Fire, blast or projection hazard; increased risk of explosion if desensitising agent is reduced
	Category 2			H207	Fire or projection hazard; increased risk of explosion if desensitising agent is reduced
	Category 3			H207	Fire or projection hazard; increased risk of explosion if desensitising agent is reduced
	Category 4			H208	Fire hazard; increased risk of explosion if desensitising agent is reduced.
Acute Toxicity (Oral, Dermal or Inhalation)	Category 1		Danger	H300	Fatal if swallowed
	Category 2			H310	Fatal in contact with skin
	Category 3			H330	Fatal if inhaled
	Category 4		Warning	H301	Toxic if swallowed
				H311	Toxic in contact with skin
				H331	Toxic if inhaled
				H302	Harmful if swallowed
				H312	Harmful in contact with skin
				H332	Harmful if inhaled

Classification		Labelling				
Hazard		Pictogram, code*	Signal word	Hazard Statement		
Class	Category			Code*	Text	
Skin corrosion / irritation	Category 1A		Danger	H314	Causes severe skin burns and eye damage	
	Category 1B					
	Category 1C					
Skin irritation	Category 2		Warning	H315	Causes skin irritation	
Serious eye damage / eye irritation	Category 1		Danger	H318	Causes serious eye damage	
	Category 2		Warning	H319	Causes serious eye irritation	
Respiratory or skin sensitisation	Respiratory Sensitisers Category 1		Danger	H334	May cause allergy or asthma symptoms or breathing difficulties if inhaled	
	Skin Sensitisers Category 1		Warning	H317	May cause an allergic skin reaction	
Germ cell mutagenicity	Category 1A		Danger	H340	May cause genetic defects <sup>(6)</sup>	
	Category 1B			H341	Suspected of causing genetic defects <sup>(6)</sup>	
	Category 2					
Carcinogenicity	Category 1A		Danger	H350	May cause cancer <sup>(6)</sup>	
	Category 1B			H351	Suspected of causing cancer <sup>(6)</sup>	
	Category 2					
(6) = State route of exposure if it is conclusively proven that no other routes of exposure cause the hazard.						
Reproductive toxicity	Category 1A		Danger	H360 <sup>(7)</sup>	May damage fertility or the unborn child.	
				H360F <sup>(8)</sup>	May damage fertility.	
	H360D <sup>(8)</sup>			May damage the unborn child		
	H360FD <sup>(8)</sup>			May damage fertility. May damage the unborn child.		
Category 1B	H360F <sup>(8)</sup>	May damage fertility. Suspected of damaging the unborn child.				
	H360D <sup>(8)</sup>	May damage the unborn child. Suspected of damaging fertility.				
Category 2	H361 <sup>(7)</sup>	Suspected of damaging fertility or the unborn child.				
	H361F <sup>(8)</sup>	Suspected of damaging fertility.				
	H361d <sup>(8)</sup>	Suspected of damaging the unborn child.				
Additional category for effects on or via lactation	No Pictogram	No Signal Word	H362	May cause harm to breast-fed children.		
(7) = (state specific effect if known)(state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard). (8) F = Fertility, D= Development (lowercase f, d = suspected effect).						
Specific target organ toxicity (single exposure)	Category 1		Danger	H370	Causes damage to organs <sup>(9,10)</sup>	
	Category 2			H371	May cause damage to organs <sup>(9,10)</sup>	
	Category 3					
Specific target organ toxicity (repeated exposure)	Category 1		Danger	H372	Causes damage to organs <sup>(9)</sup> through prolonged or repeated exposure <sup>(10)</sup>	
				Category 2	H373	May cause damage to organs <sup>(9)</sup> through prolonged or repeated exposure <sup>(10)</sup>
(9) = (state all organs affected, if known). (10) = (state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard).						
Aspiration Hazard	Category 1		Danger	H304	May be fatal if swallowed and enters airways	

\* = The code for the Pictogram and Hazard Statement should not be included on the label.

**Classification** is a process used to determine if a chemical can cause harm to human health or safety. It involves the identification and evaluation of the physical properties of a chemical, along with its health effects. It is the classification of a hazardous chemical that determines what information is communicated on the label and the safety data sheet (SDS).

**The Work Health and Safety (WHS) Regulations** refer to the 7th revised edition of the Globally Harmonized System of Classification and Labelling of Chemicals (GHS) for chemical classification and hazard communication.

This poster shows the GHS signal words, pictograms and hazard statements for each GHS hazard class and category covered by the WHS Regulations.

Further information on classification, labelling and SDS requirements under the WHS Regulations is available from the Safe Work Australia Website at [www.safeworkaustralia.gov.au](http://www.safeworkaustralia.gov.au).

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