

ANNEX 1












**CLASSIFICATION AND LABELLING
SUMMARY TABLES**

ANNEX 1

CLASSIFICATION AND LABELLING SUMMARY TABLES

NOTE: The codification of hazard statements is further explained in Annex 3 (Section 1). The hazard statement codes are intended to be used for reference purposes only. They are not part of the hazard statement text and should not be used to replace it.











A1.1 Explosives (see Chapter 2.1 for classification criteria)

Classification		Labelling			Hazard statement codes	
Hazard class	Hazard category	Pictogram		Signal word		Hazard statement
		GHS	UN Model Regulations ^a			
Explosives	Unstable explosive		(Transport not allowed)	Danger	Unstable explosive	H200
	Division 1.1				Explosive; mass explosion hazard	H201
	Division 1.2				Explosive; severe projection hazard	H202
	Division 1.3				Explosive; fire, blast or projection hazard	H203
	Division 1.4			Warning	Fire or projection hazard	H204
	Division 1.5	No pictogram		Danger	May mass explode in fire	H205
	Division 1.6	No pictogram		No signal word	No hazard statement	None

^a (*) Place for compatibility group.






The pictogram for Divisions 1.1, 1.2 and 1.3 is also assigned to substances which have an explosive subsidiary risk, but without the indication of the division number and the compatibility group (see also "Self-reactive substances and mixtures" and "Organic peroxides").

A1.2 Flammable gases (see Chapter 2.2 for classification criteria)

Classification			Labelling				Hazard statement codes	
Hazard class	Hazard category		Pictogram		Signal word	Hazard statement		
			GHS	UN Model Regulations ^a				
Flammable gases	1A	Flammable gas			Danger	Extremely flammable gas	H220	
		Pyrophoric gas				Danger	Extremely flammable gas May ignite spontaneously if exposed to air	H220 H232
		Chemically unstable gas	A				Danger	Extremely flammable gas May react explosively even in the absence of air
			B			Danger		Extremely flammable gas May react explosively even in the absence of air at elevated pressure and/or temperature
		1B			Danger		Flammable gas	H221
	2	No pictogram	Not required	Warning		Flammable gas	H221	



^a Under the UN Recommendations on the Transport of Dangerous Goods, Model Regulations, the symbol, number and border line may be shown in black instead of white. The background colour stays red in both cases.

A1.3 Aerosols (see Chapter 2.3 for classification criteria)









Classification			Labelling				Hazard statement codes
Hazard class	Hazard category	Pictogram		Signal word	Hazard statement		
		GHS	UN Model Regulations ^a				
Aerosols	1			Danger	Extremely flammable aerosol Pressurized container: may burst if heated	H222 H229	
					Warning	Flammable aerosol Pressurized container: may burst if heated	H223 H229
	3	No pictogram		Warning		Pressurized container: may burst if heated	H229

^a Under the UN Recommendations on the Transport of Dangerous Goods, Model Regulations, the symbol, number and border line may be shown in black or white. The background colour stays red in the first two cases and green in the third case.

A1.4 Oxidizing gases (see Chapter 2.4 for classification criteria)







Classification		Labelling				Hazard statement code
Hazard class	Hazard category	Pictogram		Signal word	Hazard statement	
		GHS	UN Model Regulations			
Oxidizing gases	1			Danger	May cause or intensify fire; oxidizer	H270

A1.5 Gases under pressure (see Chapter 2.5 for classification criteria)

Classification		Labelling				Hazard statement codes
Hazard class	Hazard category	Pictogram		Signal word	Hazard statement	
		GHS	UN Model Regulations ^a			
Gases under pressure	Compressed gas			Warning	Contains gas under pressure; may explode if heated	H280
	Liquefied gas			Warning	Contains gas under pressure; may explode if heated	H280
	Refrigerated liquefied gas			Warning	Contains refrigerated gas; may cause cryogenic burns or injury	H281
	Dissolved gas			Warning	Contains gas under pressure; may explode if heated	H280





^a Under the UN Recommendations on the Transport of Dangerous Goods, Model Regulations, the symbol, number and border line may be shown in white instead of black. The background colour stays green in both cases. This pictogram is not required for toxic or flammable gases (see also note "a" to tables A1.18 and A1.2).

A1.6 Flammable liquids (see Chapter 2.6 for classification criteria)










Classification		Labelling				Hazard statement codes
Hazard class	Hazard category	Pictogram		Signal word	Hazard statement	
		GHS	UN Model Regulations ^a			
Flammable liquids	1			Danger	Extremely flammable liquid and vapour	H224
	2			Danger	Highly flammable liquid and vapour	H225
	3			Warning	Flammable liquid and vapour	H226
	4	No pictogram	Not required	Warning	Combustible liquid	H227

^a Under the UN Recommendations on the Transport of Dangerous Goods, Model Regulations, the symbol, number and border line may be shown in black instead of white. The background colour stays red in both cases.

A1.7 Flammable solids (see Chapter 2.7 for classification criteria)

Classification		Labelling				Hazard statement codes
Hazard class	Hazard category	Pictogram		Signal word	Hazard statement	
		GHS	UN Model Regulations			
Flammable solids	1			Danger	Flammable solid	H228
	2			Warning	Flammable solid	H228



A1.8 Self-reactive substances and mixtures (see Chapter 2.8 for classification criteria)

Classification		Labelling				Hazard statement codes
Hazard class	Hazard category	Pictogram		Signal word	Hazard statement	
		GHS	UN Model Regulations ^a			
Self-reactive substances and mixtures	Type A		(Transport may not be allowed) ^b	Danger	Heating may cause an explosion	H240
	Type B	 	 	Danger	Heating may cause a fire or explosion	H241
	Types C and D			Danger	Heating may cause a fire	H242
	Types E and F			Warning	Heating may cause a fire	H242
	Type G	No pictogram	Not required	No signal word	No hazard statement	None



^a For Type B, under the UN Recommendations on the Transport of Dangerous Goods, Model Regulations, special provision 181 may apply (Exemption of explosive label with competent authority approval. See Chapter 3.3 of the UN Model Regulations for more details).

^b May not be acceptable for transport in the packaging in which it is tested (See Chapter 2.5, par. 2.5.3.2.2 of the UN Model Regulations).





A1.9 Pyrophoric liquids (see Chapter 2.9 for classification criteria)

Classification		Labelling				Hazard statement code
Hazard class	Hazard category	Pictogram		Signal word	Hazard statement	
		GHS	UN Model Regulations			
Pyrophoric liquids	1			Danger	Catches fire spontaneously if exposed to air	H250







A1.10 Pyrophoric solids (see Chapter 2.10 for classification criteria)

Classification		Labelling				Hazard statement code
Hazard class	Hazard category	Pictogram		Signal word	Hazard statement	
		GHS	UN Model Regulations			
Pyrophoric solids	1			Danger	Catches fire spontaneously if exposed to air	H250

A1.11 Self-heating substances and mixtures (see Chapter 2.11 for classification criteria)







Classification		Labelling				Hazard statement codes
Hazard class	Hazard category	Pictogram		Signal word	Hazard statement	
		GHS	UN Model Regulations			
Self-heating substances and mixtures	1			Danger	Self-heating; may catch fire	H251
	2			Warning	Self-heating in large quantities; may catch fire	H252

A1.12 Substances and mixtures, which in contact with water, emit flammable gases (see Chapter 2.12 for classification criteria)







Classification		Labelling				Hazard statement codes
Hazard class	Hazard category	Pictogram		Signal word	Hazard statement	
		GHS	UN Model Regulations ^a			
Substances and mixtures, which in contact with water, emit flammable gases	1			Danger	In contact with water releases flammable gases which may ignite spontaneously	H260
	2			Danger	In contact with water releases flammable gases	H261
	3			Warning	In contact with water releases flammable gases	H261

^a Under the UN Recommendations on the Transport of Dangerous Goods, Model Regulations, the symbol, number and border line may be shown in black instead of white. The background colour stays blue in both cases.










A1.13 Oxidizing liquids (see Chapter 2.13 for classification criteria)

Classification		Labelling				Hazard statement codes
Hazard class	Hazard category	Pictogram		Signal word	Hazard statement	
		GHS	UN Model Regulations			
Oxidizing liquids	1			Danger	May cause fire or explosion; strong oxidizer	H271
	2			Danger	May intensify fire; oxidizer	H272
	3			Warning	May intensify fire; oxidizer	H272

A1.14 Oxidizing solids (see Chapter 2.14 for classification criteria)

Classification		Labelling				Hazard statement codes
Hazard class	Hazard category	Pictogram		Signal word	Hazard statement	
		GHS	UN Model Regulations			
Oxidizing solids	1			Danger	May cause fire or explosion; strong oxidizer	H271
	2			Danger	May intensify fire; oxidizer	H272
	3			Warning	May intensify fire; oxidizer	H272



A1.15 Organic peroxides (see Chapter 2.15 for classification criteria)

Classification		Labelling				Hazard statement codes
Hazard class	Hazard category	Pictogram		Signal word	Hazard statement	
		GHS	UN Model Regulations ^a			
Organic peroxides	Type A		(Transport may not be allowed) ^b	Danger	Heating may cause an explosion	H240
	Type B	 	 	Danger	Heating may cause a fire or explosion	H241
	Types C and D			Danger	Heating may cause a fire	H242
	Types E and F			Warning	Heating may cause a fire	H242
	Type G	No pictogram	Not required	No signal word	No hazard statement	None





^a For Type B, under the UN Recommendations on the Transport of Dangerous Goods, Model Regulations, special provision 181 may apply (Exemption of explosive label with competent authority approval. See Chapter 3.3 of UN Model Regulations for more details).

^b May not be acceptable for transport in the packaging in which it is tested (See Chapter 2.5, par. 2.5.3.2.2 of the UN Model Regulations).

A1.16 Corrosive to metals (see Chapter 2.16 for classification criteria)








Classification		Labelling				Hazard statement code
Hazard class	Hazard category	Pictogram		Signal word	Hazard statement	
		GHS	UN Model Regulations			
Corrosive to metals	1			Warning	May be corrosive to metals	H290

A1.17 Desensitized explosives (see Chapter 2.17 for classification criteria)

Classification		Labelling			Hazard statement codes	
Hazard class	Hazard category	Pictogram		Signal word		Hazard statement
		GHS	UN Model Regulations ^a			
Desensitized explosives	1		<i>Not applicable</i>	Danger	Fire, blast projection hazard; increased risk of explosion if desensitizing agent is reduced	H206
	2		<i>Not applicable</i>	Danger	Fire or projection hazard; increased risk of explosion if desensitizing agent is reduced	H207
	3		<i>Not applicable</i>	Warning	Fire or projection hazard; increased risk of explosion if desensitizing agent is reduced	H207
	4		<i>Not applicable</i>	Warning	Fire hazard; increased risk of explosion if desensitizing agent is reduced	H208




^a Classification and labelling of desensitized explosives are addressed in transport regulations in a different way. In transport, solid desensitized explosives are classified in Division 4.1 (flammable solids) and shall bear a Division 4.1 label (see Chapter 2.4, section 2.4.2.4 of the UN Recommendations on the Transport of Dangerous Goods, Model Regulations). Liquid desensitized explosives are classified in Class 3 (flammable liquids) for transport purposes and shall bear a Class 3 label (see, Chapter 2.3, section 2.3.1.4 of the Model Regulations).

A1.18 Acute toxicity (see Chapter 3.1 for classification criteria)

Classification		Labelling				Hazard statement codes	
Hazard class	Hazard category	Pictogram		Signal word	Hazard statement		
		GHS	UN Model Regulations ^a				
Acute toxicity	1	Oral			Danger	Fatal if swallowed	H300
		Dermal				Fatal in contact with skin	H310
		Inhalation				Fatal if inhaled	H330
	2	Oral			Danger	Fatal if swallowed	H300
		Dermal				Fatal in contact with skin	H310
		Inhalation				Fatal if inhaled	H330
	3	Oral			Danger	Toxic if swallowed	H301
		Dermal				Toxic in contact with skin	H311
		Inhalation				Toxic if inhaled	H331
	4	Oral		<i>Not required</i>	Warning	Harmful if swallowed	H302
		Dermal				Harmful in contact with skin	H312
		Inhalation				Harmful if inhaled	H332
	5	Oral	<i>No pictogram</i>	<i>Not required</i>	Warning	May be harmful if swallowed	H303
		Dermal				May be harmful in contact with skin	H313
		Inhalation				May be harmful if inhaled	H333



^a For gases, under the UN Recommendations on the Transport of Dangerous Goods, Model Regulations, replace the number "6" in the bottom corner of the pictogram by "2".

A1.19 Skin corrosion/irritation (see Chapter 3.2 for classification criteria)




Classification		Labelling				Hazard statement codes
Hazard class	Hazard category	Pictogram		Signal word	Hazard statement	
		GHS	UN Model Regulations			
Skin corrosion/irritation	1			Danger	Causes severe skin burns and eye damage	H314
	2		<i>Not required</i>	Warning	Causes skin irritation	H315
	3 ^a	<i>No pictogram</i>	<i>Not required</i>	Warning	Causes mild skin irritation	H316

^a Applies to some authorities.

A1.20 Serious eye damage/eye irritation (see Chapter 3.3 for classification criteria)




Classification		Labelling				Hazard statement codes
Hazard class	Hazard category	Pictogram		Signal word	Hazard statement	
		GHS	UN Model Regulations			
Serious eye damage/eye irritation	1		<i>Not required</i>	Danger	Causes serious eye damage	H318
	2/2A		<i>Not required</i>	Warning	Causes serious eye irritation	H319
	2B	<i>No pictogram</i>	<i>Not required</i>	Warning	Causes eye irritation	H320

A1.21 Respiratory sensitizer (see Chapter 3.4 for classification criteria)

Classification		Labelling				Hazard statement codes
Hazard class	Hazard category	Pictogram		Signal word	Hazard statement	
		GHS	UN Model Regulations			
Respiratory sensitization	1		<i>Not required</i>	Danger	May cause allergy or asthma symptoms or breathing difficulties if inhaled	H334
	1A ^a		<i>Not required</i>	Danger	May cause allergy or asthma symptoms or breathing difficulties if inhaled	H334
	1B ^a		<i>Not required</i>	Danger	May cause allergy or asthma symptoms or breathing difficulties if inhaled	H334



^a Sub-categories may be applied where data are sufficient and where required by a competent authority.

A1.22 Skin sensitizer (see Chapter 3.4 for classification criteria)



Classification		Labelling				Hazard statement codes
Hazard class	Hazard category	Pictogram		Signal word	Hazard statement	
		GHS	UN Model Regulations			
Skin sensitization	1		<i>Not required</i>	Warning	May cause an allergic skin reaction	H317
	1A ^a		<i>Not required</i>	Warning	May cause an allergic skin reaction	H317
	1B ^a		<i>Not required</i>	Warning	May cause an allergic skin reaction	H317

^a Sub-categories may be applied where data are sufficient and where required by a competent authority.



A1.23 Germ cell mutagenicity (see Chapter 3.5 for classification criteria)

Classification		Labelling				Hazard statement codes
Hazard class	Hazard category	Pictogram		Signal word	Hazard statement	
		GHS	UN Model Regulations			
Germ cell mutagenicity	1 (both 1A and 1B)		<i>Not required</i>	Danger	May cause genetic defects (<i>state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard</i>)	H340
	2		<i>Not required</i>	Warning	Suspected of causing genetic defects (<i>state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard</i>)	H341




A1.24 Carcinogenicity (see Chapter 3.6 for classification criteria)

Classification		Labelling				Hazard statement codes
Hazard class	Hazard category	Pictogram		Signal word	Hazard statement	
		GHS	UN Model Regulations			
Carcinogenicity	1 (both 1A and 1B)		<i>Not required</i>	Danger	May cause cancer (<i>state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard</i>)	H350
	2		<i>Not required</i>	Warning	Suspected of causing cancer (<i>state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard</i>)	H351



A1.25 Toxic to reproduction (see Chapter 3.7 for classification criteria)

Classification		Labelling				Hazard statement codes
Hazard class	Hazard category	Pictogram		Signal word	Hazard statement	
		GHS	UN Model Regulations			
Reproductive toxicity	1 (both 1A and 1B)		Not required	Danger	May damage fertility or the unborn child (<i>state specific effect if known</i>) (<i>state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard</i>)	H360
	2		Not required	Warning	Suspected of damaging fertility or the unborn child (<i>state specific effect if known</i>) (<i>state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard</i>)	H361
	Additional category for effects on or via lactation	No pictogram	Not required	No signal word	May cause harm to breast-fed children	H362



A1.26 Specific target organ toxicity following single exposure (see Chapter 3.8 for classification criteria)

Classification		Labelling				Hazard statement codes
Hazard class	Hazard category	Pictogram		Signal word	Hazard statement	
		GHS	UN Model Regulations			
Specific target organ toxicity – single exposure	1		Not required	Danger	Causes damage to organs (<i>or state all organs affected, if known</i>) (<i>state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard</i>)	H370
	2		Not required	Warning	May cause damage to organs (<i>or state all organs affected, if known</i>) (<i>state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard</i>)	H371
	3		Not required	Warning	May cause respiratory irritation or May cause drowsiness or dizziness	H335 H336



A1.27 Specific target organ toxicity following repeated exposure (see Chapter 3.9 for classification criteria)

Classification		Labelling				Hazard statement codes
Hazard class	Hazard category	Pictogram		Signal word	Hazard statement	
		GHS	UN Model Regulations			
Specific target organ toxicity – repeated exposure	1		Not required	Danger	Causes damage to organs (<i>state all organs affected, if known</i>) through prolonged or repeated exposure (<i>state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard</i>)	H372
	2		Not required	Warning	May cause damage to organs (<i>state all organs affected, if known</i>) through prolonged or repeated exposure (<i>state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard</i>)	H373

A1.28 Aspiration hazard (See chapter 3.10 for classification criteria)





Classification		Labelling				Hazard statement codes
Hazard class	Hazard category	Pictogram		Signal word	Hazard statement	
		GHS	UN Model Regulations			
Aspiration hazard	1		Not required	Danger	May be fatal if swallowed and enters airways	H304
	2		Not required	Warning	May be harmful if swallowed and enters airways	H305

A1.29 (a) Hazardous to the aquatic environment, short-term (acute) (see Chapter 4.1 for classification criteria)

Classification		Labelling				Hazard statement codes
Hazard class	Hazard category	Pictogram		Signal word	Hazard statement	
		GHS	UN Model Regulations ^a			
Hazardous to the aquatic environment, short-term (Acute)	Acute 1			Warning	Very toxic to aquatic life	H400
	Acute 2	No pictogram	Not required	No signal word	Toxic to aquatic life	H401
	Acute 3	No pictogram	Not required	No signal word	Harmful to aquatic life	H402


^a For Category 1, under the UN Recommendations on the Transport of Dangerous Goods, Model Regulations, the pictogram is not required if the substance presents any other hazards covered by UN Model Regulations. If no other hazard is presented, this pictogram is required as a mark in addition to the UN Model Regulations Class 9 label.

A1.29 (b) Hazardous to the aquatic environment, long-term (chronic) (see Chapter 4.1 for classification criteria)

Classification		Labelling				Hazard statement codes
Hazard class	Hazard category	Pictogram		Signal word	Hazard statement	
		GHS	UN Model Regulations ^a			
Hazardous to the aquatic environment, long-term (Chronic)	Chronic 1			Warning	Very toxic to aquatic life with long lasting effects	H410
	Chronic 2			No signal word	Toxic to aquatic life with long lasting effects	H411
	Chronic 3	No pictogram	Not required	No signal word	Harmful to aquatic life with long lasting effects	H412
	Chronic 4	No pictogram	Not required	No signal word	May cause long lasting harmful effects to aquatic life	H413

^a For categories 1 and 2, under the UN Recommendations on the Transport of Dangerous Goods, Model Regulations, the pictogram is not required if the substance presents any other hazards covered by UN Model Regulations. If no other hazard is presented, this pictogram is required as a mark in addition to the UN Model Regulations Class 9 label.

A1.30 Hazard to the ozone layer (see Chapter 4.2 for classification criteria)

Classification		Labelling				Hazard statement code
Hazard class	Hazard category	Pictogram		Signal word	Hazard statement	
		GHS	UN Model Regulations			
Hazardous to the ozone layer	1		Not required	Warning	Harms public health and the environment by destroying ozone in the upper atmosphere	H420

