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Committee of Experts on the Transport of Dangerous Goods and on the Globally Harmonized System of Classification and Labelling of Chemicals

> Report of the Committee of Experts on the Transport of Dangerous Goods and on the Globally Harmonized System of Classification and Labelling of Chemicals on its fifth session

Held in Geneva on 10 December 2010

Addendum

Annex III

List of amendments to the third revised edition of the Globally Harmonized System of Classification and Labelling of Chemicals (GHS) (ST/SG/AC.10/30/Rev.3)

Chapter 1.2

Insert the following definition in the alphabetical order:

"Chemically unstable gas means a flammable gas that is able to react explosively even in the absence of air or oxygen.".

Chapter 1.3

- 1.3.2.3 Insert "1.3.2.3.1" before the first paragraph ("The classification criteria....") and amend the beginning of the second sentence to read: "For most hazard classes, the recommended process...".
- 1.3.2.3.2 Insert a new paragraph 1.3.2.3.2 as follows:

"1.3.2.3.2 In most cases, it is not anticipated that reliable data for complete mixtures will be available for germ cell mutagenicity, carcinogenicity, and reproductive toxicity hazard classes. Therefore, for these hazard classes, mixtures will generally be classified based on the available information for the individual ingredients of the mixtures, using the cut-off values/concentration limit methods in each chapter. The classification may be modified on a case-by-case basis based on available test data for the complete mixture, if such data are conclusive as described in each chapter."

Chapter 1.4

1.4.10.5.5 Insert the following new paragraph at the end of the existing text:

"Where a substance or mixture is classified as corrosive to metals but not corrosive to skin and/or eyes, the competent authority may choose to allow the hazard pictogram linked to "corrosive to metals" to be omitted from the label of such substances or mixtures which are in the finished state as packaged for consumer use."

Chapter 2.1

2.1.2.1 (f) Delete "detonating".

Chapter 2.2

Amend the heading of the Chapter to read as follows: "Flammable gases (including chemically unstable gases)".

- 2.2.1 Amend the heading to read: "Definitions".
 - The definition of "flammable gases" becomes new paragraph 2.2.1.1.
- 2.2.1.2 Insert a new definition to read as follows:
 - "2.2.1.2 A *chemically unstable gas* is a flammable gas that is able to react explosively even in the absence of air or oxygen."
- 2.2.2 Insert "2.2.2.1" before the sentence preceding table 2.2.1.

2.2.2.2 Insert the following new paragraph after Note 2:

"2.2.2.2 A flammable gas that is also chemically unstable is additionally classified in one of the two categories for chemically unstable gases using the methods described in Part III of the Manual of Tests and Criteria according to the following table:

Table 2.2.2: Criteria for chemically unstable gases

Category	Criteria	
A	Flammable gases which are chemically unstable at 20°C and a standard pressure of 101.3 kPa	
В	Flammable gases which are chemically unstable at a temperature greater than 20°C and/or a pressure greater than 101.3 kPa	

2.2.3 Amend current table 2.2 to read as follows:

Table 2.2.3: Label elements for flammable gases (including chemically unstable gases)

	Flammable gas		Chemically unstable gas		
	Category 1	Category 2	Category A	Category B	
Symbol	Flame	No symbol	No additional symbol	No additional symbol	
Signal word	Danger	Warning	No additional signal word	No additional signal word	
Hazard statement	Extremely flammable gas	Flammable gas	May react explosively even in the absence of air	May react explosively even in the absence of air at elevated pressure and/or temperature	

2.2.4.1 Amend the heading to read: "Decision logic for flammable gases".

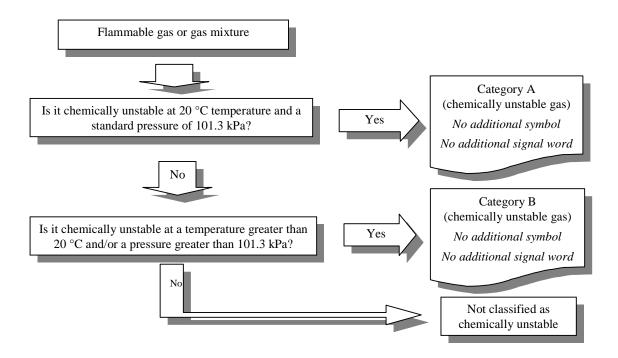
Current decision logic "2.2" becomes decision logic "2.2 (a)".

2.2.4.2 Insert a new paragraph 2.2.4.2 and decision logic 2.2 (b) to read as follows:

"2.2.4.2 Decision logic for chemically unstable gases

To classify a flammable gas as chemically unstable, data on its chemical instability are required. The classification is according to decision logic 2.2 (b).

Decision logic 2.2 (b)



Current paragraph 2.2.4.2 ("Guidance") becomes new paragraph 2.2.4.3.

2.2.4.3 (former 2.2.4.2) Replace "ISO 10156:1996" with "ISO 10156:2010".

Insert the following new paragraph at the end of the existing text:

"Chemical instability should be determined in accordance with the method described in Part III of the Manual of Tests and Criteria. If the calculations in accordance with ISO 10156:2010 show that a gas mixture is not flammable it is not necessary to carry out the tests for determining chemical instability for classification purposes."

2.2.5 (heading) Replace "ISO 10156:1996" with "ISO 10156:2010".

Chapter 2.3

In the heading, delete "Flammable".

- 2.3.2.1 Amend NOTE 2 to read:
 - "NOTE 2: Aerosols do not fall additionally within the scope of chapters 2.2 (flammable gases), 2.5 (gases under pressure), 2.6 (flammable liquids) and 2.7 (flammable solids). Depending on their contents, aerosols may however fall within the scope of other hazard classes, including their labelling elements."
- 2.3.2.2 Amend the beginning of the first sentence to read: "An aerosol is classified in one of the three categories for this Class ...".

Add a new sentence at the end of the paragraph to read:

"Aerosols which do not meet the criteria for inclusion in Category 1 or Category 2 (extremely flammable or flammable aerosols) should be classified in Category 3 (non-flammable aerosols)".

Amend the note to read as follows:

"NOTE: Aerosols containing more than 1% flammable components or with a heat of combustion of at least 20 kJ/g, which are not submitted to the flammability classification procedures in this chapter, should be classified as aerosols, Category 1.".

2.3.3 Insert a new column "Category 3" in Table 2.3.1 and amend to read:

"Table 2.3.1.: Label elements for flammable and non-flammable aerosols

	Category 1	Category 2	Category 3
Symbol	Flame	Flame	No symbol
Signal word	Danger	Warning	Warning
Hazard statement	Extremely flammable aerosol Pressurized container: May burst if heated	Flammable aerosol Pressurized container: May burst if heated	Pressurized container: May burst if heated

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- 2.3.4.1 Replace "To classify a flammable aerosol, data on" with "To classify an aerosol as a flammable aerosol, data on".
- 2.3.4.1 In the three decision logics 2.3 (a) to 2.3 (c), replace all "Not classified" by:



Chapter 2.4

- 2.4.1 In the note, replace "ISO 10156:1996 or 10156–2:2005" with "ISO 10156:2010".
- 2.4.4.1 Replace "ISO 10156:1996" with "ISO 10156:2010" and delete "and ISO 10156-2:2005 "Gas cylinders, Gases and gas mixtures. Part 2: Determination of oxidizing ability of toxic and corrosive gases and gas mixtures".
- 2.4.4.2 Replace with the following:

"2.4.4.2 Guidance

Example of the classification of an oxidizing gas mixture by calculation according to ISO 10156:2010.

The classification method described in ISO 10156 uses the criterion that a gas mixture should be considered as more oxidising than air if the oxidising power of the gas mixture is higher than 0.235 (23.5%).

The oxidizing power (OP) is calculated as follows:

$$OP = \frac{\sum_{i=1}^{n} x_{i}C_{i}}{\sum_{i=1}^{n} x_{i} + \sum_{k=1}^{p} K_{k}B_{k}}$$

Where:

 x_i = molar fraction of the *i*:th oxidising gas in the mixture;

 C_i = coefficient of oxygen equivalency of the *i*:th oxidising gas in the mixture;

 K_k = coefficient of equivalency of the inert gas k compared to nitrogen;

 B_k = molar fraction of the k:th inert gas in the mixture;

n = total number of oxidising gases in the mixture;

p = total number of inert gases in the mixture;

Example mixture: $9\%(O_2) + 16\%(N_2O) + 75\%(He)$

Calculation steps

Step 1:

Ascertain the coefficient of oxygen equivalency (C_i) for the oxidising gases in the mixture and the nitrogen equivalency factors (K_k) for the non-flammable, non-oxidising gases.

 $C_i(N_2O) = 0.6$ (nitrous oxide)

 $C_i(O_2) = 1 \text{ (oxygen)}$

 K_k (He) = 0.9 (helium)

Step 2:

Calculate the oxidising power of the gas mixture

$$OP = \frac{\sum_{i=1}^{n} x_{i} C_{i}}{\sum_{i=1}^{n} x_{i} + \sum_{k=1}^{p} K_{k} B_{k}} = \frac{0.09 \times 1 + 0.16 \times 0.6}{0.09 + 0.16 + 0.75 \times 0.9} = 0.201$$
20.1 < 23.5

Therefore the mixture is not considered as an oxidising gas.".

Chapter 2.5

- 2.5.1 In the definition of gases under pressure, insert "at 20°C" after "or more".
- 2.5.2 Insert "2.5.2.1" before the introductory sentence preceding table 2.5.1, and replace "Gases" with "Gases under pressure" in that sentence.

Add a new note at the end of the paragraph to read:

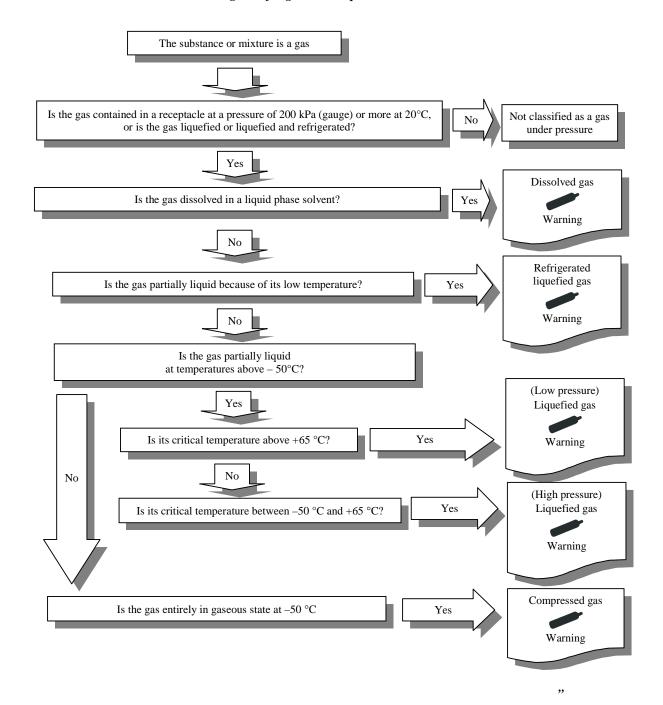
"NOTE: Aerosols should not be classified as gases under pressure. See Chapter 2.3."

2.5.4.1 Replace with the following:

"2.5.4.1 Decision logic

Classification can be made according to decision logic 2.5

Decision logic 2.5 for gases under pressure



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Chapter 2.16

2.16.3 Add the following note under table 2.16.2:

"NOTE: Where a substance or mixture is classified as corrosive to metals but not corrosive to skin and/or eyes, some competent authorities may allow the labelling provisions described in 1.4.10.5.5."

Chapter 3.1

3.1.3.6.2.2 At the end of the second sentence, replace "unknown toxicity" with "unknown acute (oral/dermal/inhalation) toxicity".

Add the following new third sentence at the end of the existing text:

"The competent authority can decide to specify that the additional statement(s) be communicated on the label or on the SDS or both, or to leave the choice of where to place the statement to the manufacturer/supplier."

- 3.1.3.6.2.3 Insert "relevant" before "ingredient(s) with" (first two times) and delete "total" before "percentage".
- 3.1.4 Insert "3.1.4.1" before the first paragraph ("General and specific considerations...").
- 3.1.4.2 Insert a new paragraph 3.1.4.2 after the Note to Table 3.1.3 to read as follows:
 - "3.1.4.2 The acute toxicity hazard statements differentiate the hazard based on the route of exposure. Communication of acute toxicity classification should also reflect this differentiation. For example, acute oral toxicity Category 1, acute dermal toxicity Category 1 and acute inhalation toxicity Category 1. If a substance or mixture is classified for more than one route of exposure then all relevant classifications should be communicated on the safety data sheet as specified in Annex 4 and the relevant hazard communication elements included on the label as prescribed in 3.1.3.2. If the statement "x % of the mixture consists of ingredient(s) of unknown acute (oral/dermal/inhalation) toxicity" is communicated, as prescribed in 3.1.3.6.2.2, then it can also be differentiated based on the route of exposure. For example, "x % of the mixture consists of ingredient(s) of unknown acute oral toxicity" and "x % of the mixture consists of ingredient(s) of unknown acute dermal toxicity."
- 3.1.5.2 Amend footnote 3 to the decision logic to read as follows:

"In the event that an ingredient without any useable information is used in a mixture at a concentration $\geq 1\%$, the classification should be based on the ingredients with the known acute toxicity only, and additional statement(s) should identify the fact that x % of the mixture consists of ingredient(s) of unknown acute (oral/dermal/inhalation) toxicity. The competent authority can decide to specify that the additional statement(s) be communicated on the label or on the SDS or both, or to leave the choice of where to place the statement to the manufacturer/supplier."

Chapter 3.5

3.5.3.3 Amend Table 3.5.1 to read as follows:

Ingredient classified as:	Cut-off/concentration limits triggering classification of a mixture as:			
	Category 1 mutagen		Category 2 mutagen	
	Category 1A Category 1B			
Category 1A mutagen	≥ 0.1%			
Category 1B mutagen		≥ 0.1%		
Category 2 mutagen			≥ 1.0%	

3.5.4 Amend table 3.5.2 to read as follows:

	Category 1	Category 2
	(Category 1A, 1B)	
Symbol	Health hazard	Health hazard
Signal word	Danger	Warning
Hazard statement	May cause genetic defects (state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard)	Suspected of causing genetic defects (state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard)

Chapter 3.6

3.6.3.3 Amend table 3.6.1 to read as follows:

Ingredient classified as:	Cut-off/concentration limits triggering classification of a mixture as:			
	Category 1 carcinogen		Category 2 carcinogen	
	Category 1A	Category 1B		
Category 1A carcinogen	≥ 0.1 %			
Category 1B carcinogen		≥ 0.1 %		
Category 2 carcinogen			≥ 0.1% (note 1)	
			≥ 1.0% (note 2)	

3.6.4 Amend table 3.6.2 as follows:

Category 1		Category 2	
	(Category 1A, 1B)		
Symbol	Health hazard	Health hazard	
Signal word	Danger	Warning	
Hazard statement	May cause cancer (state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard)	Suspected of causing cancer (state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard)	

Chapter 3.7

3.7.3.3.2 Amend Table 3.7.1 to read as follows:

Ingredient classified	Cut-off/concentration limits triggering classification of a mixture as:				
as:	Category 1 repr	oductive toxicant	Category 2	Additional category	
	Category 1A	Category 1B	reproductive toxicant	for effects on or via lactation	
Category 1A	≥ 0.1% (note 1)				
reproductive toxicant	≥ 0.3% (note 2)				
Category 1B		≥ 0.1% (note 1)			
reproductive toxicant	 	≥ 0.3% (note 2)]		
Category 2			≥ 0.1% (note 3)		
reproductive toxicant		≥ 3.0% (note			
Additional category for				≥ 0.1% (note 1)	
effects on or via lactation				≥ 0.3% (note 2)	

3.7.4 Amend Table 3.7.2 to read as follows:

	Category 1 (Category 1A, 1B)	Category 2	Additional category for effects on or via lactation
Symbol	Health hazard	Health hazard	No symbol
Signal word	Danger	Warning	No signal word
Hazard statement	May damage fertility or the unborn child (state specific effect if known)(state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard)	Suspected of damaging fertility or the unborn child (state specific effect if known) (state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard)	May cause harm to breast-fed children

Chapter 4.1

4.1.3.6 Add the following sentence at the end of the existing paragraph:

"The competent authority can decide to specify that the additional statement is communicated on the label or on the SDS or both, or to leave the choice of where to place the statement to the manufacturer/supplier."

4.1.5.1.1 In footnote 3 to the decision logic insert a new second sentence to read as follows:

"The competent authority can decide to specify that the additional statement be communicated on the label or on the SDS or both, or to leave the choice of where to place the statement to the manufacturer/supplier." 4.1.5.2.4 In footnote 10 to the decision logic, insert the following sentence at the end of the existing text:

"The competent authority can decide to specify that the additional statement be communicated on the label or on the SDS or both, or to leave the choice of where to place the statement to the manufacturer/supplier."

Annex 1Amend the table for flammable gases to read as follows:

FLAMMABLE GASES (INCLUDING CHEMICALLY UNSTABLE GASES)						
Flamm	nable gases	Chemically unstable gases		Chemically unstable gases		Note
Category 1	Category 2	Category A	Category B			
Danger Extremely	No pictogram Warning Flammable gas	No additional pictogram No additional signal word May react	No additional pictogram No additional signal word May react	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.		
flammable gas	Not require	explosively even in the absence of air ed under the UN Mode	explosively even in the absence of air at elevated pressure and/or temperature			

Amend the table related to flammable aerosols to read as follows:

	AEROSOLS				
Category 1	Category 2	Category 3	Note		
		No pictogram	Under the UN Recommendations on the Transport of Dangerous Goods,		
Danger Extremely flammable aerosol	Warning Flammable aerosol	Warning	Model Regulations, the symbol, number and border line may be shown in black instead		
Pressurized container: May burst if heated	Pressurized container: May burst if heated	Pressurized container: May burst if heated	of white. The background colour stays red in the first		
2	2	2	two cases, and green in the third case.		

Annex 2

Table A2.2

In the heading replace "Flammable gases" with "Flammable gases (including chemically unstable gases)", and amend the table to read as follows:

Hazard category	Criteria	Hazard communication elements	
	Gases and gas mixtures, which at 20 °C and a standard pressure of 101.3 kPa: (a) are ignitable when in a mixture of 13% or less	Symbol	
1	by volume in air; or (b) have a flammable range with air of at least 12	Signal word	Danger
	percentage points regardless of the lower flammable limit.	Hazard statement	Extremely flammable gas
	Gases or gas mixtures, other than those of Category 1,	Symbol	No symbol
2	which, at 20 °C and a standard pressure of 101.3 kPa, have a flammable range while mixed in air	Signal word	Warning
		Hazard statement	Flammable gas
		Symbol	No additional symbol
A (chemically unstable gases)	Flammable gases which are chemically unstable at 20 °C and a standard pressure of 101.3 kPa	Signal word	No additional signal word
	25 Sand a Sandard pressure of Total at a	Hazard statement	May react explosively even in the absence of air

Hazard category	Criteria	Hazard communication eleme	
B		Symbol	No additional symbol
	temperature greater than 20 °C and/or a pressure greater than 101.3 kPa	Signal word	No additional signal word
(chemically unstable gases)		Hazard statement	May react explosively even in the absence of air at elevated pressure and/or temperature

Table A2.3

In the heading delete "Flammable", and amend the table to read as follows:

Hazard category	Criteria	Hazard communication elements	
	On the basis of its ingredients, of its chemical heat of	Symbol	*
1	combustion and, if applicable, of the results of the foam test (for foam aerosols), and of the ignition	Signal word	Danger
	distance test and enclosed space test, (for spray aerosols) (see decision logic in 2.3.4.1 of Chapter 2.3)	Hazard statement	Extremely flammable aerosol Pressurized container: May burst if heated
	On the basis of its ingredients, of its chemical heat of combustion and, if applicable, of the results of the	Symbol	*
2	foam test (for foam aerosols), and of the ignition	Signal word	Warning
	distance test and enclosed space test, (for spray aerosols) (see decision logic in 2.3.4.1 of Chapter 2.3)	Hazard statement	Flammable aerosol Pressurized container: May burst if heated
	On the basis of its ingredients, of its chemical heat of	Symbol	No symbol
3	combustion and, if applicable, of the results of the foam test (for foam aerosols), and of the ignition	Signal word	Warning
	distance test and enclosed space test, (for spray aerosols) (see decision logic in 2.3.4.1 of Chapter 2.3).	Hazard statement	Pressurized container: May burst if heated

Annex 3

Section 1, Table A3.1.1: Hazard statement codes for physical hazards

Amend rows "H222" and "H223" to read as follows:

Code	Physical hazard statements	Hazard class (GHS chapter)	Hazard category
(1)	(2)	(3)	(4)
H222	Extremely flammable aerosol	Aerosols (chapter 2.3)	1
H223	Flammable aerosol	Aerosols (chapter 2.3)	2

Insert the following new rows:

Code	Physical hazard statements	Hazard class (GHS chapter)	Hazard category
(1)	(2)	(3)	(4)
H229	Pressurized container: May burst if heated	Aerosols (chapter 2.3)	1, 2, 3
H230	May react explosively even in the absence of air	Flammable gases (including chemically unstable gases) (chapter 2.2)	A (Chemically unstable gases)
H231	May react explosively even in the absence of air at elevated pressure and/or temperature	Flammable gases (including chemically unstable gases) (chapter 2.2)	B (Chemically unstable gases)

Section 2

A3.2.3.7 Insert a new paragraph A3.2.3.7 to read as follows:

"Where square brackets [...] appear around some text in a precautionary statement, this indicates that the text in square brackets is not appropriate in every case and should be used only in certain circumstances. In these cases, conditions for use explaining when the text should be used are given in column (5). For example, P284 states: "[In case of inadequate ventilation] wear respiratory protection." This statement is given with the condition for use "- text in square brackets may be used if additional information is provided with the chemical at the point of use that explains what type of ventilation would be adequate for safe use". The application of the condition for use should be interpreted as follows: If additional information is provided with the chemical explaining what type of ventilation would be adequate for safe use, the text in square brackets may be used. In this case, the statement would read: "In case of inadequate ventilation wear **respiratory protection.**" However, if the chemical is supplied without such information, the text in square brackets should not be used, and the precautionary statement should read: "Wear respiratory protection."

Current paragraph "A3.2.3.7" becomes new paragraph "A3.2.3.8".

A3.2.3.8 (former A3.2.3.7) In the first sentence insert "or parts of sentences" after "individual sentences".

ST/SG/AC.10/38/Add.3

Conditions for use Code **Prevention precautionary statements** Hazard class Hazard category **(1) (2) (3) (4) (5)** Explosives (chapter 2.1) Unstable P202 Do not handle until all safety precautions have been read and explosive understood. Germ cell mutagenicity (chapter 3.5) 1A, 1B, 2 Carcinogenicity (chapter 3.6) 1A, 1B, 2 Reproductive toxicity (chapter 3.7) 1A, 1B, 2 Flammable gases (including chemically A, B unstable gases) (chapter 2.2) (chemically unstable gases) Manufacturers/supplier or the Aerosols (chapter 2.3) 1, 2, 3 Keep away from heat/sparks/open competent authority to specify flames/hot surfaces. -No smoking. applicable ignition source(s) P211 Do not spray on an open flame or Aerosols (chapter 2.3) 1. 2 other ignition source. P223 Do not allow contact with water. Substances and mixtures which, in contact with 1, 2 water, emit flammable gases (chapter 2.12) Keep valves and fittings free from oil P244 Oxidizing gases (chapter 2.4) 1 and grease.

1, 2, 3

1. 1A. 1B

1. 1A. 1B

3

3

Manufacturer/supplier or the

applicable conditions.

the label

competent authority to specify

- may be omitted if P260 is given on

Aerosols (chapter 2.3)

Acute toxicity – inhalation (chapter 3.1)

Specific target organ toxicity, single exposure;

Specific target organ toxicity, single exposure;

Respiratory sensitization (chapter 3.4)

respiratory tract irritation (chapter 3.8)

Skin sensitization (chapter 3.4)

narcotic effects (chapter 3.8)

P251

P261

Do not pierce or burn, even after use.

dust/fume/gas/mist/vapours/spray.

Avoid breathing

Code	Prevention precautionary statements	Hazard class	Hazard category	Conditions for use
(1)	(2)	(3)	(4)	(5)
P280	Wear protective gloves/protective clothing/eye protection/face protection.	Explosives (chapter 2.1)	Unstable explosives and Divisions 1.1, 1.2, 1.3, 1.4, 1.5	- Specify face protection. Manufacturer/supplier or the competent authority to specify type of equipment.
		Flammable liquids (chapter 2.6)	1, 2, 3, 4	- Specify protective gloves and
		Flammable solids (chapter 2.7)	1, 2	eye/face protection.
		Self-reactive substances and mixtures (chapter 2.8)	Types A, B, C, D, E, F	Manufacturer/supplier or the competent authority to specify type of equipment.
		Pyrophoric liquids (chapter 2.9)	1	or equipment.
		Pyrophoric solids (chapter 2.10)	1	
		Self-heating substances and mixtures (chapter 2.11)	1, 2	
		Substances and mixtures which, in contact with water, emit flammable gases (chapter 2.12)	1, 2, 3	
		Oxidizing liquids (chapter 2.13)	1, 2, 3	
		Oxidizing solids (chapter 2.14)	1, 2, 3	
		Organic peroxides (chapter 2.15)	Types A, B, C, D, E, F	
		Acute toxicity – dermal (chapter 3.1)	1, 2, 3, 4	- Specify protective gloves/clothing. Manufacturer/supplier or the competent authority to specify type of equipment.
		Skin corrosion (chapter 3.2)	1A, 1B, 1C	- Specify protective gloves/clothing and eye/face protection. Manufacturer/supplier or the competent authority to specify type of equipment.
		Skin irritation (chapter 3.2)	2	- Specify protective gloves.
		Skin sensitization (chapter 3.4)	1, 1A, 1B	Manufacturer/supplier or the competent authority to specify type of equipment.

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Code	Prevention precautionary statements	Hazard class	Hazard category	Conditions for use
(1)	(2)	(3)	(4)	(5)
P280	Wear protective gloves/protective	Severe eye damage (chapter 3.3)	1	- Specify eye/face protection.
(Cont'd)	clothing/eye protection/face protection.	Eye irritation (chapter 3.3)	2A	Manufacturer/supplier or the competent authority to specify type of equipment.
		Germ cell mutagenicity (chapter 3.5)	1A, 1B, 2	Manufacturer/supplier or the
		Carcinogenicity (chapter 3.6)	1A, 1B, 2	competent authority to specify type
		Reproductive toxicity (chapter 3.7)	1A, 1B, 2	of equipment.
P284	[In case of inadequate ventilation]	Acute toxicity, inhalation (chapter 3.1)	1, 2	Manufacturer/supplier or the
	wear respiratory protection.	Respiratory sensitization (chapter 3.4)	1, 1A, 1B	competent authority to specify equipment. - text in square brackets may be used if additional information is provided with the chemical at the point of use that explains what type of ventilation would be adequate for safe use.

Table A3.2.3: Codification of response precautionary statements

Code	Response precautionary statements	Hazard class	Hazard category	Conditions for use
(1)	(2)	(3)	(4)	(5)
P308	IF exposed or concerned:	Germ cell mutagenicity (chapter 3.5)	1A, 1B, 2	
		Carcinogenicity (chapter 3.6)	1A, 1B, 2	
		Reproductive toxicity (chapter 3.7)	1A, 1B, 2	
		Reproductive toxicity, effects on or via lactation (chapter 3.7)	Additional category	
		Specific target organ toxicity, single exposure (chapter 3.8)	1, 2	
P310	Immediately call a POISON	Acute toxicity, oral (chapter 3.1)	1, 2, 3	Manufacturer/supplier or the
	CENTER/doctor/	Acute toxicity, dermal (chapter 3.1)	1, 2	competent authority to specify the
		Acute toxicity, inhalation (chapter 3.1)	1, 2	appropriate source of emergency medical advice.
		Skin corrosion (chapter 3.2)	1A, 1B, 1C	inedical advice.
		Severe eye damage (chapter 3.3)	1	
		Aspiration hazard (chapter 3.10)	1, 2	
P311	Call a POISON CENTER/doctor/	Acute toxicity, inhalation (chapter 3.1)	3	Manufacturer/supplier or the
		Respiratory sensitization (chapter 3.4)	1, 1A, 1B	competent authority to specify the
		Specific target organ toxicity, single exposure (chapter 3.8)	1, 2	appropriate source of emergency medical advice.
P312	Call a POISON CENTER/doctor//if	Acute toxicity, oral (chapter 3.1)	4	Manufacturer/supplier or the
	you feel unwell.	Acute toxicity, oral (chapter 3.1)	5	competent authority to specify the
		Acute toxicity, dermal (chapter 3.1)	3, 4, 5	appropriate source of emergency medical advice.
		Acute toxicity, inhalation (chapter 3.1)	4	incurcar advice.
		Acute toxicity, inhalation (chapter 3.1)	5	
		Specific target organ toxicity, single exposure; respiratory tract irritation (chapter 3.8)	3	
		Specific target organ toxicity, single exposure; narcotic effects (chapter 3.8)	3	

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Code	Response precautionary statements	Hazard class	Hazard category	Conditions for use
(1)	(2)	(3)	(4)	(5)
P321	Specific treatment (see on this label).	Acute toxicity, oral (chapter 3.1)	1, 2, 3	 Reference to supplemental first aid instruction.if immediate administration of antidote is required.
		Acute toxicity, dermal (chapter 3.1)	1, 2, 3, 4	 Reference to supplemental first aid instruction.- if immediate measures such as specific cleansing agent is advised.
		Acute toxicity, inhalation (chapter 3.1)	3	Reference to supplemental first aid instruction. - if immediate specific measures are required.
		Skin corrosion (chapter 3.2)	1A, 1B, 1C	Reference to supplemental first aid instruction.
		Skin irritation (chapter 3.2)	2	
		Skin sensitization (chapter 3.4)	1, 1A, 1B	- manufacturer/supplier or competent authority may specify a cleansing agent if appropriate.
		Specific target organ toxicity, single exposure (chapter 3.8)	1	Reference to supplemental first aid instruction if immediate measures are required.
P340	Remove person to fresh air and keep	Acute toxicity, inhalation (chapter 3.1)	1, 2, 3, 4	
	comfortable for breathing.	Skin corrosion (chapter 3.2)	1A, 1B, 1C	
		Respiratory sensitization (chapter 3.4)	1, 1A, 1B	
		Specific target organ toxicity, single exposure; respiratory tract irritation (chapter 3.8)	3	
		Specific target organ toxicity, single exposure; narcotic effects (chapter 3.8)	3	

Code	Response precautionary statements	Hazard class	Hazard category	Conditions for use
(1)	(2)	(3)	(4)	(5)
P352	Wash with plenty of water/	Acute toxicity, dermal (chapter 3.1)	1, 2, 3, 4	Manufacturer/supplier or the
		Skin irritation (chapter 3.2)	2	competent authority may specify a
		Skin sensitization (chapter 3.4)	1, 1A, 1B	cleansing agent if appropriate, or may recommend an alternative agent in exceptional cases if water is clearly inappropriate.
P361	Take off immediately all contaminated	Flammable liquids (chapter 2.6)	1, 2, 3	
	clothing.	Acute toxicity, dermal (chapter 3.1)	1, 2, 3	
		Skin corrosion (chapter 3.2)	1A, 1B, 1C	
P362	Take off contaminated clothing.	Acute toxicity, dermal (chapter 3.1)	4	
		Skin irritation (chapter 3.2)	2	
		Skin sensitization (chapter 3.4)	1, 1A, 1B	
P363	Wash contaminated clothing before reuse.	Skin corrosion (chapter 3.2)	1A, 1B, 1C	
P364	And wash it before reuse.	Acute toxicity, dermal (chapter 3.1)	1, 2, 3, 4	
		Skin irritation (chapter 3.2)	2	
		Skin sensitization (chapter 3.4)	1, 1A, 1B	
P378	Use to extinguish.	Flammable liquids (chapter 2.6)	1, 2, 3, 4	Manufacturer/supplier or the
		Flammable solids (chapter 2.7)	1, 2	competent authority to specify
		Self-reactive substances and mixtures (chapter 2.8)	Types A, B, C, D, E, F	appropriate media - if water increases risk.
		Pyrophoric liquids (chapter 2.9)	1	
		Pyrophoric solids (chapter 2.10)	1	
		Substances and mixtures which, in contact with water, emit flammable gases (chapter 2.12)	1, 2, 3	
		Oxidizing liquids (chapter 2.13)	1, 2, 3	
		Oxidizing solids (chapter 2.14)	1, 2, 3	

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Code	Response precautionary statements	Hazard class	Hazard category	Conditions for use
(1)	(2)	(3)	(4)	(5)
P301	IF SWALLOWED: Immediately call a	Acute toxicity, oral (chapter 3.1)	1, 2, 3	Manufacturer/supplier or the
+ P310	POISON CENTER/doctor/	Aspiration hazard (chapter 3.10)	1, 2	competent authority to specify the appropriate source of emergency medical advice.
P301 + P312	IF SWALLOWED: Call a POISON CENTER/doctor//if you feel unwell.	Acute toxicity, oral (chapter 3.1)	4	Manufacturer/supplier or the competent authority to specify the appropriate source of emergency medical advice.
P302	IF ON SKIN: Wash with plenty of	Acute toxicity, dermal (chapter 3.1)	1, 2, 3, 4	Manufacturer/supplier or the
+	water/	Skin irritation (chapter 3.2)	2	competent authority may specify a
P352		Skin sensitization (chapter 3.4)	1, 1A, 1B	cleansing agent if appropriate, or may recommend an alternative agent in exceptional cases if water is clearly inappropriate.
P303	IF ON SKIN (or hair): Take off	Flammable liquids (chapter 2.6)	1, 2, 3	
+ P361 + P353	immediately all contaminated clothing. Rinse skin with water/shower.	Skin corrosion (chapter 3.2)	1A, 1B, 1C	
P304 + P312	IF INHALED: Call a POISON CENTER/doctor//if you feel unwell.	Acute toxicity, inhalation (chapter 3.1)	5	Manufacturer/supplier or the competent authority to specify the appropriate source of emergency medical advice.
P304	IF INHALED: Remove person to fresh	Acute toxicity, inhalation (chapter 3.1)	1, 2, 3, 4	
+ P340	air and keep comfortable for breathing.	Skin corrosion (chapter 3.2)	1A, 1B, 1C	
1 340		Respiratory sensitization (chapter 3.4)	1, 1A, 1B	
		Specific target organ toxicity, single exposure; respiratory tract irritation (chapter 3.8)	3	
		Specific target organ toxicity, single exposure; narcotic effects (chapter 3.8)	3	

Code	Response precautionary statements	Hazard class	Hazard category	Conditions for use
(1)	(2)	(3)	(4)	(5)
P308 + P311	IF exposed or concerned: Call a POISON CENTER/doctor/	Specific target organ toxicity, single exposure (chapter 3.8)	1, 2	Manufacturer/supplier or the competent authority to specify the appropriate source of emergency medical advice.
P332 + P313	If skin irritation occurs: Get medical advice/attention.	Skin irritation (chapter 3.2)	2, 3	– may be omitted when P333+P313 appears on the label
P342 + P311	If experiencing respiratory symptoms: Call a POISON CENTER/doctor/	Respiratory sensitization (chapter 3.4)	1, 1A, 1B	Manufacturer/supplier or the competent authority to specify the appropriate source of emergency medical advice.
P361 + P364	Take off immediately all contaminated clothing and wash it before reuse.	Acute toxicity, dermal (chapter 3.1)	1, 2, 3	
P362	Take off contaminated clothing and wash	Acute toxicity, dermal (chapter 3.1)	4	
+	it before reuse.	Skin irritation (chapter 3.2)	2	
P364		Skin sensitization (chapter 3.4)	1, 1A, 1B	
P370	In case of fire: Use to extinguish.	Flammable liquids (chapter 2.6)	1, 2, 3, 4	Manufacturer/supplier or the
+ D270		Flammable solids (chapter 2.7)	1, 2	competent authority to specify
P378		Self-reactive substances and mixtures (chapter 2.8)	Types A, B, C, D, E, F	appropriate media if water increases risk.
		Pyrophoric liquids (chapter 2.9)	1	
		Pyrophoric solids (chapter 2.10)	1	
		Substances and mixtures which, in contact with water, emit flammable gases (chapter 2.12)	1, 2, 3	
		Oxidizing liquids (chapter 2.13)	1, 2, 3	
		Oxidizing solids (chapter 2.14)	1, 2, 3	

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Code **Prevention precautionary statements** Hazard class Hazard **Conditions of use** category **(1) (2) (3) (4) (5)** Aerosols (chapter 2.3) 1, 2, 3 P410 Protect from sunlight. Gases under pressure (chapter 2.5) - may be omitted for gases filled in Compressed gas transportable gas cylinders in accordance with Liquefied gas packing instruction P200 of the UN Dissolved gas Recommendations on the Transport of Dangerous Goods, Model Regulations, unless those gases are subject to (slow) decomposition or polymerisation, or the competent authority provides otherwise. Self-heating substances and 1, 2 mixtures (chapter 2.11) Organic peroxides (chapter 2.15) Types A, B, C, D, E, F P412 Do not expose to temperatures Aerosols (chapter 2.3) 1, 2, 3 exceeding 50°C/122°F. Protect from sunlight. Store in a well-- may be omitted for gases filled in P410 Gases under pressure (chapter 2.5) Compressed gas Liquefied gas transportable gas cylinders in accordance with ventilated place. P403 Dissolved gas packing instruction P200 of the UN Recommendations on the Transport of Dangerous Goods, Model Regulations, unless those gases are subject to (slow) decomposition or polymerisation, or the competent authority provides otherwise.

1, 2, 3

Aerosols (chapter 2.3)

P410

+

P412

Protect from sunlight. Do not expose

to temperatures exceeding

50°C/122°F.

Annex 3: Section 3 "Use of precautionary statements"

A3.3.5 Amend the matrix applicable to the hazard classes and categories hereafter to read as follows:

EXPLOSIVES (Chapter 2.1)

Symbol Exploding bomb

Hazard category Signal word Hazard statement

Unstable explosive Danger H200 Unstable explosive



	Precautionary statements				
Prevention	Response	Storage	Disposal		
P201 Obtain special instructions before use. P202 Do not handle until all safety precautions have been read and understood. P280 Wear face protection. Manufacturer/supplier or the competent authority to specify type of equipment.	P372 Explosion risk in case of fire. P373 DO NOT fight fire when fire reaches explosives. P380 Evacuate area.	P401 Storein accordance with local/regional/ national/international regulations (to be specified).	P501 Dispose of contents/container toin accordance with local/regional/ national/international regulations (to be specified).		

FLAMMABLE GASES (INCLUDING CHEMICALLY UNSTABLE GASES)

(Chapter 2.2) (Flammable gases)

Symbol Flame

Hazard category Signal word Hazard statement

Danger H220 Extremely flammable gas



Precautionary statements					
Prevention Response Storage Disposal					
P210	P377	P403			
Keep away from heat/sparks/open	Leaking gas fire:	Store in well-ventilated place.			
flames/hot surfacesNo smoking.	Do not extinguish, unless leak can				
Manufacturer/supplier or competent	be stopped safely.				
authority to specify applicable	P381				
ignition source(s).	Eliminate all ignition sources if				
	safe to do so.				

FLAMMABLE GASES (INCLUDING CHEMICALLY UNSTABLE GASES)

(Chapter 2.2)

(Flammable gases)

SymbolNo symbol

Hazard categorySignal wordHazard statement2WarningH221Flammable gas

Precautionary statements					
Prevention Response Storage Disposal					
Keep away from heat/sparks/open flames/hot surfacesNo smoking. Manufacturer/supplier or the competent authority to specify applicable ignition source(s).	P377 Leaking gas fire: Do not extinguish, unless leak can be stopped safely. P381 Eliminate all ignition sources if safe to do so.	P403 Store in well-ventilated place.			

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FLAMMABLE GASES (INCLUDING CHEMICALLY UNSTABLE GASES)

(Chapter 2.2) (Chemically unstable gases)

Symbol *No additional symbol*

Hazard category	Signal word	Hazard	statement
A	No additional signal word	H230	May react explosively even in the absence of air
В	No additional signal word	H231	May react explosively even in the absence of air at
			elevated pressure and/or temperature

Precautionary statements				
Prevention	Response	Storage	Disposal	
P202 Do not handle until all safety precautions have been read and understood.				

Note: This table lists only the precautionary statement that is assigned due to the chemical instability of the gas. For the other precautionary statements that are assigned based on the flammability see the respective tables for flammable gases.

AEROSOLS (Chapter 2.3)

Symbol	
Flame	

Hazard category	Signal word	Hazard statement
1	Danger	H222 Extremely flammable aerosol
		H229 Pressurized container: May burst if heated
2	Warning	H223 Flammable aerosol
		H229 Pressurized container: May burst if heated



Precautionary statements					
Prevention Response Storage Disposal					
P210		P410 + P412			
Keep away from heat/sparks/open flames/hot		Protect from sunlight. Do not			
surfacesNo smoking.		expose to temperatures			
Manufacturer/supplier or the competent authority to		exceeding 50 °C/122 °F.			
specify applicable ignition source(s).					
P211					
Do not spray on an open flame or other ignition					
source.					
P251					
Do not pierce or burn, even after use.					

AEROSOLS (Chapter 2.3)

Symbol	
No symbol	

Hazard category Signal word Hazard statement

Warning H229 Pressurized container: May burst if heated

Precautionary statements Prevention Response Storage Disposal				
Keep away from heat/sparks/open flames/hot		Protect from sunlight. Do not		
surfacesNo smoking.		expose to temperatures exceeding		
Manufacturer/supplier or the competent authority to		50 °C/122 °F.		
specify applicable ignition source(s).				
P251				
Do not pierce or burn, even after use.				

OXIDIZING GASES (Chapter 2.4)

Symbol Flame over circle

Hazard category Signal word Hazard statement

Danger H270 May cause or intensify fire; oxidizer



Precautionary statements					
Prevention	Response	Storage	Disposal		
P220	P370 + P376	P403			
Keep/Store away from	In case of fire: Stop leak if safe to do so.	Store in well-ventilated place.			
clothing//combustible materialsManufacturer/supplier or the competent authority to specify other incompatible materials.					
P244					
Keep valves and fittings free from oil and grease.					

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GASES UNDER PRESSURE

(Chapter 2.5)

Symbol Gas cylinder

Hazard category	Signal word	Hazard statement	
Compressed gas	Warning	H280	Contains gas under pressure; may explode if heated
Liquefied gas	Warning	H280	Contains gas under pressure; may explode if heated
Dissolved gas	Warning	H280	Contains gas under pressure; may explode if heated



Precautionary statements				
Prevention	Response	Storage	Disposal	
		P410 + P403		
		Protect from sunlight. Store in a wellventilated place.		
		- may be omitted for gases filled in transportable gas cylinders in accordance with packing instruction P200 of the UN		
		Recommendations on the Transport of		
		Dangerous Goods, Model Regulations, unless those gases are subject to (slow)		
		decomposition or polymerisation, or the competent authority provides otherwise.		

FLAMMABLE LIQUIDS (Chapter 2.6)

Symbol Flame

Hazard category	Signal word	Hazard statement	
1	Danger	H224	Extremely flammable liquid and vapour
2	Danger	H225	Highly flammable liquid and vapour
3	Warning	H226	Flammable liquid and vapour



FLAMMABLE LIQUIDS

(Chapter 2.6)

Symbol No symbol

Hazard category Signal word Hazard statement

4 Warning H227 Combustible liquid

Precautionary statements				
Prevention	Response	Storage	Disposal	
P210	P370 + P378	P403 + P235	P501	
Keep away from flames and hot surfaces. – No smoking.	In case of fire: Use to extinguish.	Store in a well-ventilated place. Keep cool.	Dispose of contents/container to in accordance with local/regional/	
P280 Wear protective gloves/eye protection/face protection	Manufacturer/supplier or the competent authority to specify appropriate media.		national/international regulations (to be specified).	
Manufacturer/supplier or the competent authority to specify type of equipment.	- if water increases risk.			

FLAMMABLE SOLIDS (Chapter 2.7)

Symbol Flame

Hazard category Signal word Hazard statement

1 Danger H228 Flammable solid 2 Warning H228 Flammable solid



Precautionary statements				
Prevention	Response	Storage	Disposal	
P210	P370 + P378			
Keep away from heat/sparks/open	In case of fire: Use to extinguish			
flames/hot surfaces No smoking.	Manufacturer/supplier or the			
Manufacturer/supplier or the competent	competent authority to specify			
authority to specify applicable ignition	appropriate media.			
source(s).	- if water increases risk.			
P240				
Ground/Bond container and receiving				
equipment.				
- if electrostatically sensitive material is				
for reloading.				
P241				
Use explosion-proof electrical/ventilating/				
lighting//equipment.				
Manufacturer/supplier or the competent				
authority to specify other equipment.				
- if dust clouds can occur.				
P280				
Wear protective gloves/eye protection/face				
protection				
Manufacturer/supplier or the competent				
authority to specify type of equipment.				

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SELF-REACTIVE SUBSTANCES AND MIXTURES (Chapter 2.8)

Symbol Exploding bomb

Hazard category Signal word Hazard statement

Type A Danger H240 Heating may cause an explosion



Precautionary statements					
Prevention	Response	Storage	Disposal		
P210	P370 + P378	P403 + P235	P501		
Keep away from heat/sparks/open flames/hot surfaces No smoking. Manufacturer/supplier or the competent authority to specify applicable ignition source(s). P220 Keep/Store away from clothing//combustible materials Manufacturer/supplier or the competent authority to specify other incompatible materials. P234 Keep only in original container. P280 Wear protective gloves/eye protection/face protection. Manufacturer/supplier or the competent authority to specify type of equipment.	In case of fire: Use to extinguish Manufacturer/supplier or the competent authority to specify appropriate media. - if water increases risk. P370 + P380 + P375 In case of fire: Evacuate area. Fight fire remotely due to the risk of explosion.	Store in a well-ventilated place. Keep cool. P411 Store at temperatures not exceeding °C/ °F Manufacturer/supplier or the competent authority to specify temperature. P420 Store away from other materials.	Dispose of contents/container to in accordance with local/regional/national/international regulations (to be specified).		

SELF-REACTIVE SUBSTANCES AND MIXTURES (Chapter 2.8)

Symbol Exploding bomb and flame

Hazard category

Signal word

Hazard statement

Type B

Danger

H241 Heating may cause a fire or explosion





Storage Disposal P403 + P235 P501	
P403 + P235 P501	
P411 Store at temperatures not exceeding °C/ °F Manufacturer/supplier or the competent authority to specify temperature. local/regional/national/internation regulations (to be specified).	
fy	fy P411 Store at temperatures not exceeding °C/ °F Manufacturer/supplier or the competent authority to specify temperature. P420 Store away from other

Symbol Flame

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SELF-REACTIVE SUBSTANCES AND MIXTURES (Chapter 2.8)

Hazard category	Signal word	Hazard statement	
Type C	Danger	H242	Heating may cause a fire
Type D	Danger	H242	Heating may cause a fire
Type E	Warning	H242	Heating may cause a fire
Type F	Warning	H242	Heating may cause a fire

Precautionary statements				
Prevention	Response	Storage	Disposal	
P210	P370 + P378	P403 + P235	P501	
Keep away from heat/sparks/open flames/hot surfaces No smoking.	In case of fire: Use to extinguish Manufacturer/supplier or the	Store in a well-ventilated place. Keep cool.	Dispose of contents/container toin accordance with	
Manufacturer/supplier or the competent authority to specify applicable ignition source(s). P220 Keep/Store away from clothing//combustible materialsManufacturer/supplier or the competent authority to specify other incompatible materials. P234 Keep only in original container. P280 Wear protective gloves/eye protection/face protection. Manufacturer/supplier or the competent authority to specify type of equipment.	competent authority to specify appropriate media. - if water increases risk.	P411 Store at temperatures not exceeding°C/°FManufacturer/supplier or the competent authority to specify temperature. P420 Store away from other materials.	local/regional/national/international regulations (to be specified).	

PYROPHORIC LIQUIDS

(Chapter 2.9)

Symbol Flame

Hazard category Signal word Hazard statement

Danger H250 Catches fire spontaneously if exposed to air



Precautionary statements			
Prevention	Response	Storage	Disposal
P210	P302 + P334	P422	
Keep away from heat/sparks/open	IF ON SKIN: Immerse in cool	Store contents under	
flames/hot surfaces No smoking.	water/wrap with wet bandages	Manufacturer/supplier or the	
Manufacturer/supplier or the competent	P370 + P378	competent authority to specify	
authority to specify applicable ignition	In case of fire: Use to extinguish	appropriate liquid or inert gas.	
source(s).	Manufacturer/supplier or the		
P222	competent authority to specify		
Do not allow contact with air.	appropriate media.		
P280	- if water increases risk.		
Wear protective gloves/eye			
protection/face protection.			
Manufacturer/supplier or the competent			
authority to specify type of equipment.			

PYROPHORIC SOLIDS (Chapter 2.10)

Symbol Flame

Hazard category

Signal word

Hazard statement

1

Danger

H250

Catches fire spontaneously if exposed to air



Precautionary statements				
Prevention	Response	Storage	Disposal	
P210	P335 + P334	P422		
Keep away from heat/sparks/open	Brush off loose particles from skin. Immerse	Store contents under		
flames/hot surfaces No smoking.	in cool water/wrap in wet bandages.	Manufacturer/supplier or the		
Manufacturer/supplier or the competent	P370 + P378	competent authority to specify		
authority to specify applicable ignition	In case of fire: Use to extinguish	appropriate liquid or inert gas.		
source(s).	Manufacturer/supplier or the competent			
P222	authority to specify appropriate media.			
Do not allow contact with air.	- if water increases risk.			
P280				
Wear protective gloves/eye				
protection/face protection				
Manufacturer/supplier or the competent				
authority to specify type of equipment.				

SUBSTANCES AND MIXTURES WHICH, IN CONTACT WITH WATER, EMIT FLAMMABLE GASES (Chapter 2.12)

Symbol Flame

Hazard category	Signal word	Hazard	statement
1	Danger	H260	In contact with water releases flammable gases, which may ignite spontaneously
2	Danger	H261	In contact with water releases flammable gas



Precautionary statements			
Prevention	Response	Storage	Disposal
P223	P335 + P334	P402 + P404	P501
Do not allow contact with water.	Brush off loose particles from skin	Store in a dry place. Store in	Dispose of contents/container
P231 + P232	and immerse in cool water/wrap in	a closed container.	to
Handle under inert gas. Protect from	wet bandages.		in accordance with
moisture.	P370 + P378		local/regional/national/
P280	In case of fire: Use to extinguish		international regulations (to be
Wear protective gloves/eye	Manufacturer/supplier or the		specified).
protection/face protection.	competent authority to specify		
Manufacturer/supplier or the competent	appropriate media.		
authority to specify type of equipment.	- if water increases risk.		

SUBSTANCES AND MIXTURES WHICH, IN CONTACT WITH WATER, EMIT FLAMMABLE GASES (Chapter 2.12)

Symbol Flame

Hazard category Signal word Hazard statement

Warning H261 In contact with water releases flammable gas



Precautionary statements			
Prevention	Response	Storage	Disposal
P231 + P232	P370 + P378	P402 + P404	P501
Handle under inert gas. Protect from	In case of fire: Use to extinguish.	Store in a dry place. Store in	Dispose of contents/container to
moisture.	Manufacturer/supplier or the	a closed container.	in accordance with
P280	competent authority to specify		local/regional/national/international
Wear protective gloves/eye	appropriate media.		regulations (to be specified).
protection/face protection.	- if water increases risk.		
Manufacturer/supplier or the competent			
authority to specify type of equipment.			

OXIDIZING LIQUIDS (Chapter 2.13)

Symbol Flame over circle

Hazard category

Signal word

Hazard statement

Danger H271 May cause fire or explosion; strong oxidizer

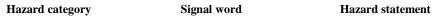


Precautionary statements			
Prevention	Response	Storage	Disposal
P210 Keep away from heat. P220 Keep/Store away from clothing and other combustible materials. P221 Take any precaution to avoid mixing with combustibles/ Manufacturer/supplier or the competent authority to specify other incompatible materials. P280 Wear protective gloves /eye protection/face protection. Manufacturer/supplier or the competent authority to specify type of equipment. P283 Wear fire/flame resistant/retardant clothing.	P306 + P360 IF ON CLOTHING: Rinse immediately contaminated clothing and skin with plenty of water before removing clothes. P371 + P380 + P375 In case of major fire and large quantities: Evacuate area. Fight fire remotely due to the risk of explosion. P370 + P378 In case of fire: Use to extinguish. Manufacturer/supplier or the competent authority to specify appropriate media. - if water increases risk.		Dispose of contents/container toin accordance with local/regional/ national/international regulations (to be specified).

OXIDIZING LIQUIDS

(Chapter 2.13)

Symbol Flame over circle



2 Danger H272 May intensify fire; oxidizer

Warning H272 May intensify fire; oxidizer

Precautionary statements				
Prevention	Response	Storage	Disposal	
P210 Keep away from heat. P220 Keep/Store away from clothing//combustible materialsManufacturer/supplier or the competent authority to specify other incompatible materials.	P370 + P378 In case of fire: Use to extinguish Manufacturer/supplier or the competent authority to specify appropriate media if water increases risk.		P501 Dispose of contents/container toin accordance with local/regional/ national/international regulations (to be specified).	
P221 Take any precaution to avoid mixing with combustibles/ Manufacturer/supplier or the competent authority to specify other incompatible materials.				
P280 Wear protective gloves/eye protection/face protection. Manufacturer/supplier or the competent authority to specify type of equipment.				

OXIDIZING SOLIDS

(Chapter 2.14)

Symbol Flame over circle

Hazard category

Signal word

Hazard statement

Danger H271 May cause fire or explosion; strong oxidizer



Precautionary statements			
Prevention	Response	Storage	Disposal
P210 Keep away from heat. P220 Keep away from clothing and other combustible materials. P221 Take any precaution to avoid mixing with combustibles/Manufacturer/supplier or the competent authority to specify other incompatible materials. P280 Wear protective gloves/eye protection/face protection. Manufacturer/supplier or the competent authority to specify type of equipment. P283 Wear fire/flame resistant/retardant clothing.	P306 + P360 IF ON CLOTHING: Rinse immediately contaminated clothing and skin with plenty of water before removing clothes. P371 + P380 + P375 In case of major fire and large quantities: Evacuate area. Fight fire remotely due to the risk of explosion. P370 + P378 In case of fire: Use to extinguish Manufacturer/supplier or the competent authority to specify appropriate media. - if water increases risk.		P501 Dispose of contents/container toin accordance with local/regional/ national/international regulations (to be specified).

OXIDIZING SOLIDS (Chapter 2.14)

Symbol Flame over circle

Hazard category Signal word Hazard statement

H272 May intensify fire; oxidizer 2 Danger 3

Warning May intensify fire; oxidizer



	Precautionary statements				
Prevention	Response	Storage	Disposal		
P210 Keep away from heat. P220 Keep/Store away from clothing// combustible materials Manufacturer/supplier or the competent authority to specify incompatible materials. P221 Take any precaution to avoid mixing with combustibles/Manufacturer/supplier or the competent authority to specify other incompatible materials. P280 Wear protective gloves/eye protection/face protection. Manufacturer/supplier or the competent authority to specify type of equipment.	P370 + P378 In case of fire: Use to extinguish Manufacturer/supplier or the competent authority to specify appropriate media if water increases risk.		P501 Dispose of contents/container to in accordance with local/regional/national/international regulations (to be specified).		

ACUTE TOXICITY - ORAL (Chapter 3.1)

Symbol
Skull and crossbones

Hazard category Signal word Hazard statement

Danger H300 Fatal if swallowed Danger H300 Fatal if swallowed



Precautionary statements				
Prevention	Response	Storage	Disposal	
P264 Washthoroughly after handling Manufacturer/supplier or the competent authority to specify parts of the body to be washed after handling. P270 Do not eat, drink or smoke when using this product.	P301 + P310 IF SWALLOWED: Immediately call a POISON CENTER/doctor/Manufacturer/supplier or the competent authority to specify the appropriate source of emergency medical advice. P321 Specific treatment (see on this label) Reference to supplemental first aid instruction. - if immediate administration of antidote is required. P330 Rinse mouth.	P405 Store locked up.	P501 Dispose of contents/container to in accordance with local/regional/national/international regulations (to be specified).	

ACUTE TOXICITY - ORAL (Chapter 3.1)

Symbol
Skull and crossbones

Hazard category Signal word Hazard statement

3 Danger H301 Toxic if swallowed



Precautionary statements				
Prevention	Response	Storage	Disposal	
P264 Wash thoroughly after handling Manufacturer/supplier or the competent authority to specify parts of the body to be washed after handling. P270 Do not eat, drink or smoke when using this product.	P301 + P310 IF SWALLOWED: Immediately call a POISON CENTER/doctor/Manufacturer/supplier or the competent authority to specify the appropriate source of emergency medical advice. P321 Specific treatment (see on this label) Reference to supplemental first aid instruction. - if immediate administration of antidote is required. P330 Rinse mouth.	P405 Store locked up.	P501 Dispose of contents/container to in accordance with local/regional/national/international regulations (to be specified).	

ACUTE TOXICITY - ORAL (Chapter 3.1)

Symbol

Exclamation mark

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Hazard category Signal word Hazard statement

Warning H302 Harmful if swallowed

Precautionary statements				
Prevention	Response	Storage	Disposal	
P264 Wash thoroughly after handling Manufacturer/supplier or the competent authority to specify parts of the body to be washed after handling. P270 Do not eat, drink or smoke when using this product.	P301 + P312 IF SWALLOWED: Call a POISON CENTER/doctor//if you feel unwellManufacturer/supplier or the competent authority to specify the appropriate source of emergency medical advice. P330 Rinse mouth.		P501 Dispose of contents/container to in accordance with local/regional/national/international regulations (to be specified).	

ACUTE TOXICITY - ORAL (Chapter 3.1)

SymbolNo symbol

Hazard category Signal word Hazard statement

5 Warning H303 May be harmful if swallowed

Precautionary statements					
Prevention Response Storage Disposal					
	P312				
Call a POISON CENTER/doctor//if you feel					
	unwell.				
	Manufacturer/supplier or the competent authority to				
	specify the appropriate source of emergency medical				
	advice.				

ACUTE TOXICITY - DERMAL (Chapter 3.1)

Symbol

Skull and crossbones



Hazard category	Signal word	Hazard statement	
1	Danger	H310	Fatal in contact with skin
2	Danger	H310	Fatal in contact with skin

Precautionary statements			
Prevention	Response	Storage	Disposal
P262 Do not get in eyes, on skin, or on clothing. P264 Wash thoroughly after handling Manufacturer/supplier or the competent authority to specify parts of the body to be washed after handling. P270 Do not eat, drink or smoke when using this product. P280 Wear protective gloves/protective clothing. Manufacturer/supplier or the competent authority to specify type of equipment.	P302 + P352 IF ON SKIN: Wash with plenty of water/Manufacturer/supplier or the competent authority may specify a cleansing agent if appropriate, or may recommend an alternative agent in exceptional cases if water is clearly inappropriate. P310 Immediately call a POISON CENTER/doctor/Manufacturer/supplier or the competent authority to specify the appropriate source of emergency medical advice. P321 Specific treatment (see on this label) Reference to supplemental first aid instruction. - if immediate measures such as specific cleansing agent is advised. P361 + P364 Take off immediately all contaminated clothing and wash it before reuse	P405 Store locked up.	P501 Dispose of contents/container to in accordance with local/regional/national/international regulations (to be specified).

ACUTE TOXICITY - DERMAL (Chapter 3.1)

Symbol Skull and crossbones

Hazard category Signal word Hazard statement

Danger H311 Toxic in contact with skin



	Precautionary statements				
Prevention	Response	Storage	Disposal		
P280 Wear protective gloves/protective clothing. Manufacturer/supplier or the competent authority to specify type of equipment.	P302 + P352 IF ON SKIN: Wash with plenty of water/Manufacturer/supplier or the competent authority may specify a cleansing agent if appropriate, or may recommend an alternative agent in exceptional cases if water is clearly inappropriate. P312 Call a POISON CENTER/doctor//if you feel unwellManufacturer/supplier or the competent authority to specify the appropriate source of emergency medical advice. P321 Specific treatment (see on this label) Reference to supplemental first aid instruction. - if immediate measures such as specific cleansing agent is advised. P361 + P364 Take off immediately all contaminated clothing and wash it before reuse	P405 Store locked up.	Dispose of contents/container to in accordance with local/regional/national/international regulations (to be specified).		

ACUTE TOXICITY - DERMAL

Symbol

Exclamation mark

(**Chapter 3.1**)

Hazard category

Signal word

Hazard statement

Warning

H312 Harmful in contact with skin

	Precautionary statements			
Prevention	Response	Storage	Disposal	
P280 Wear protective gloves/protective clothing Manufacturer/supplier or the competent authority to specify type of equipment.	P302 + P352 IF ON SKIN: Wash with plenty of water/Manufacturer/supplier or the competent authority may specify a cleansing agent if appropriate, or may recommend an alternative agent in exceptional cases if water is clearly inappropriate. P312 Call a POISON CENTER/doctor//if you feel unwellManufacturer/supplier or the competent authority to specify the appropriate source of emergency medical advice. P321 Specific treatment (see on this label) Reference to supplemental first aid instruction if immediate measures such as specific cleansing agent is advised. P362 + P364 Take off contaminated clothing and wash it before reuse.		P501 Dispose of contents/container to in accordance with local/regional/national/international regulations (to be specified).	

ACUTE TOXICITY - DERMAL (Chapter 3.1)

SymbolNo symbol

Hazard category Signal word Hazard statement

5 Warning H313 May be harmful in contact with skin

Precautionary statements			
Prevention	Response	Storage	Disposal
	P312		
	Call a POISON CENTER/doctor//if		
	you feel unwell.		
	Manufacturer/supplier or the		
	competent authority to specify the		
	appropriate source of emergency medical		
	advice.		

(**Chapter 3.1**)

SymbolSkull and crossbones

Hazard category	Signal word	Hazard statement	
1	Danger	H330	Fatal if inhaled
2	Danger	H330	Fatal if inhaled



Precautionary statements				
Prevention	Response	Storage	Disposal	
P260 Do not breathe dust/fume/gas/mist/vapours/spray. Manufacturer/supplier or the competent authority to specify applicable conditions. P271 Use only outdoors or in a well-ventilated area. P284 [In case of inadequate ventilation] wear respiratory protection. Manufacturer/supplier or the competent authority to specify equipment. - text in square brackets may be used if additional information is provided with the chemical at the point of use that explains what type of ventilation would be adequate for safe use.	P304 + P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing. P310 Immediately call a POISON CENTER/doctor/Manufacturer/supplier or the competent authority to specify the appropriate source of emergency medical advice. P320 Specific treatment is urgent (see on this label) Reference to supplemental first aid instruction. - if immediate administration of antidote is required.	P403 + P233 Store in a well-ventilated place. Keep container tightly closed. - if product is volatile as to generate hazardous atmosphere. P405 Store locked up.	Dispose of contents/container to in accordance with local/regional/national/international regulations (to be specified).	

(**Chapter 3.1**)

Symbol

Skull and crossbones

Hazard category Signal word Hazard statement

3 Danger H331 Toxic if inhaled

	Precautionary statements				
Prevention	Response	Storage	Disposal		
P261 Avoid breathing dust/fume/gas/mist/vapours/spray. Manufacturer/supplier or the competent authority to specify applicable conditions. - may be omitted if P260 is given on the label P271 Use only outdoors or in a well-ventilated area.	P304 + P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing. P311 Call a POISON CENTER/doctor/Manufacturer/supplier or the competent authority to specify the appropriate source of emergency medical advice. P321 Specific treatment (see on this label) Reference to supplemental first aid instruction. - if immediate specific measures are required.	P403 + P233 Store in a well-ventilated place. Keep container tightly closed. - if product is volatile so as to generate hazardous atmosphere. P405 Store locked up.	P501 Dispose of content/container to in accordance with local/regional/national/international regulations (to be specified).		

(Chapter 3.1)

Symbol Exclamation mark

Hazard category Signal word Hazard statement

Warning H332 Harmful if inhaled



Precautionary statements			
Prevention	Response	Storage	Disposal
P261 Avoid breathing dust/fume/gas/mist/ vapours/spray. Manufacturer/supplier or the competent authority to specify applicable conditions may be omitted if P260 is given on the label P271 Use only outdoors or in a well-ventilated area.	P304 + P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing. P312 Call a POISON CENTER/doctor//if you feel unwell. Manufacturer/supplier or the competent authority to specify the appropriate source of emergency medical advice.		

(Chapter 3.1)

SymbolNo symbol

Hazard category Signal word Hazard statement

5 Warning H333 May be harmful if inhaled

Precautionary statements			
Prevention	Response	Storage	Disposal
	P304 + P312		
IF INHALED:			
	Call a POISON CENTER/doctor//if		
you feel unwell.			
	Manufacturer/supplier or the competent		
	authority to specify the appropriate source		
	of emergency medical advice.		

SKIN CORROSION/IRRITATION (Chapter 3.2)

Symbol Corrosion

Hazard category Signal word Hazard statement

1A to 1C Danger H314 Causes severe skin burns and eye damage



Precautionary statements			
Prevention	Prevention Response Storage		Disposal
P260 Do not breathe dusts or mists if inhalable particles of dusts or mists may occur during use. P264 Washthoroughly after handlingManufacturer/supplier or the competent authority to specify parts of the body to be washed after handling. P280 Wear protective gloves/protective clothing/eye protection/face protection. Manufacturer/supplier or the competent authority to specify type of equipment.	P301 + P330 + P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. P303 + P361 + P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. P363 Wash contaminated clothing before reuse. P304 + P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing. P310 Immediately call a POISON CENTER/doctor/Manufacturer/supplier or the competent authority to specify the appropriate source of emergency medical advice. P321 Specific treatment (see on this label) Reference to supplemental first aid instruction. - Manufacturer/supplier or the competent authority may specify a cleansing agent if appropriate. P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.	P405 Store locked up.	P501 Dispose of contents/container to in accordance with local/regional/national/internat ional regulations (to be specified).

SKIN CORROSION/IRRITATION

(Chapter 3.2)

Hazard statement

Symbol Exclamation mark

Hazard category Signal word

Warning H315 Causes skin irritation



Precautionary statements			
Prevention	Response	Storage	Disposal
P264 Wash thoroughly after handling Manufacturer/supplier or the competent authority to specify parts of the body to be washed after handling. P280 Wear protective gloves. Manufacturer/supplier or the competent authority to specify type of equipment.	P302 + P352 IF ON SKIN: Wash with plenty of water/Manufacturer/supplier or the competent authority may specify a cleansing agent if appropriate, or may recommend an alternative agent in exceptional cases if water is clearly inappropriate. P321 Specific treatment (see on this label) Reference to supplemental first aid instruction Manufacturer/supplier or the competent authority may specify a cleansing agent if appropriate. P332 + P313 If skin irritation occurs: Get medical advice/attention may be omitted when P333+P313 appears on the label P362+P364		
	Take off contaminated clothing and wash it before reuse.		

SKIN CORROSION/IRRITATION

(Chapter 3.2)

SymbolNo symbol

Hazard category Signal word Hazard statement

Warning H316 Causes mild skin irritation

Precautionary statements			
Prevention	Response	Storage	Disposal
	P332 + P313 If skin irritation occurs: Get medical advice/attention. – may be omitted when P333+P313 appears on the label		

EYE DAMAGE/IRRITATION

(Chapter 3.3)

Symbol Corrosion

Hazard category Signal word Hazard statement

Danger H318 Causes serious eye damage



Precautionary statements			
Prevention	Prevention Response		Disposal
Wear eye protection/face protection. Manufacturer/supplier or the competent authority to specify type of equipment.	P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P310 Immediately call a POISON CENTER/doctor/ Manufacturer/supplier or the competent authority to specify the appropriate source of emergency medical advice.		

SENSITIZATION - RESPIRATORY (Chapter 3.4)

Symbol Health hazard

Hazard category Signal word Hazard statement

1, 1A, 1B Danger H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled



Precautionary statements			
Prevention	Response	Storage	Disposal
Avoid breathing dust/fume/gas/mist/vapours/spray. Manufacturer/supplier or the competent authority to specify applicable conditions. - may be omitted if P260 is given on the label P284 [In case of inadequate ventilation] wear respiratory protection. Manufacturer/supplier or the competent authority to specify equipment - text in square brackets may be used if additional information is provided with the chemical at the point of use that explains what type of ventilation would be adequate for safe use.	P304 + P340 IF INHALED: remove person to fresh air and keep comfortable for breathing. P342 + P311 If experiencing respiratory symptoms: Call a POISON CENTER/doctor/Manufacturer/supplier or the competent authority to specify the appropriate source of emergency medical advice.		Dispose of contents/container to in accordance with local/regional/national/international regulations (to be specified).

SENSITIZATION - SKIN (Chapter 3.4)

Symbol

Exclamation mark

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Hazard category Signal word Hazard statement

1, 1A, 1B Warning H317 May cause an allergic skin reaction

Precautionary statements			
Prevention	Response	Storage	Disposal
Avoid breathing dust/fume/gas/mist/vapours/spray. Manufacturer/supplier or the competent authority to specify applicable conditions. - may be omitted if P260 is given on the label P272 Contaminated work clothing should not be allowed out of the workplace. P280 Wear protective gloves. Manufacturer/supplier or the competent authority to specify type of equipment.	P302 + P352 IF ON SKIN: Wash with plenty of water/Manufacturer/supplier or the competent authority may specify a cleansing agent if appropriate, or may recommend an alternative agent in exceptional cases if water is clearly inappropriate. P333 + P313 If skin irritation or rash occurs: Get medical advice/attention. P321 Specific treatment (see on this label) Reference to supplemental first aid instruction. - Manufacturer/supplier or the competent authority may specify a cleansing agent if appropriate. P362+P364 Take off contaminated clothing and wash it before reuse		Dispose of contents/container to in accordance with local/regional/national/international regulations (to be specified).

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GERM CELL MUTAGENICITY (Chapter 3.5)

Symbol Health hazard

Hazard category	Signal word	Hazard statement
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Danger H340 May cause genetic defects <...>

Warning H341 Suspected of causing genetic defects <...>

<...> (state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard)

Precautionary statements			
Prevention	Response	Storage	Disposal
P201 Obtain special instructions before use. P202 Do not handle until all safety precautions have been read and understood. P280 Wear protective gloves/protective clothing/eye protection/face protection. Manufacturer/supplier or the competent authority to specify type of equipment.	P308 + P313 IF exposed or concerned: Get medical advice/attention.	P405 Store locked up.	Dispose of contents/container to in accordance with local/regional/national/international regulations (to be specified).

CARCINOGENICITY (Chapter 3.6)

Symbol Health hazard

Hazard category	Signal word	Hazard statement
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Danger H350 May cause cancer <...>

2 Warning H351 Suspected of causing cancer <...>

<...> (state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard).

Precautionary statements			
Prevention	Response	Storage	Disposal
P201 Obtain special instructions before use. P202 Do not handle until all safety precautions have been read and understood. P280 Wear protective gloves/protective clothing/eye protection/face protection. Manufacturer/supplier or the competent authority to specify type of equipment.	P308 + P313 IF exposed or concerned: Get medical advice/attention.	P405 Store locked up.	Dispose of contents/container to in accordance with local/regional/national/international regulations (to be specified).

TOXIC TO REPRODUCTION (Chapter 3.7)

Symbol Health hazard

Hazard category	Signal word	Hazard statement	
1	Danger	H360	May damage fertility or the unborn child <> <<>>
2	Warning	H361	Suspected of damaging fertility or the unborn child <> <<>>
		<>	(state specific effect if known)
		<<>>	(state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard)



Precautionary statements				
Prevention	Response	Storage	Disposal	
P201 Obtain special instructions before use. P202 Do not handle until all safety precautions have been read and understood.	P308 + P313 IF exposed or concerned: Get medical advice/attention.	P405 Store locked up.	P501 Dispose of contents/container to in accordance with local/regional/national/international regulations (to be specified).	
P280 Wear protective gloves/protective clothing/eye protection/face protection. Manufacturer/supplier or the competent authority to specify type of equipment.				

SPECIFIC TARGET ORGAN TOXICITY (Single exposure) (Chapter 3.8)

Symbol Health hazard

Hazard category	Signal word	Hazard statement	
1	Danger	H370	Causes damage to organs <> <<>

<...> (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)



Precautionary statements				
Prevention	Response	Storage	Disposal	
P260 Do not breathe dust/fume/gas/mist/vapours/spray. Manufacturer/supplier or the competent authority to specify applicable conditions. P264 Washthoroughly after handling Manufacturer/supplier or the competent authority to specify parts of the body to be washed after handling. P270 Do not eat, drink or smoke when using	P308 + P311 IF exposed or concerned: Call a POISON CENTER/doctor/Manufacturer/supplier or the competent authority to specify the appropriate source of emergency medical advice. P321 Specific treatment (see on this label) Reference to supplemental first aid instruction. - if immediate measures are required.	P405 Store locked up.	P501 Dispose of contents/container to in accordance with local/regional/national/international regulations (to be specified).	

SPECIFIC TARGET ORGAN TOXICITY (Single exposure) (Chapter 3.8)

Symbol Health hazard

Hazard category Signal word Hazard statement

Warning H371 May cause damage to organs <...> <<...>

<...> (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)



Precautionary statements				
Prevention	Response	Storage	Disposal	
P260 Do not breathe dust/fume/gas/mist/ vapours/spray. Manufacturer/supplier or the competent authority to specify applicable conditions. P264 Wash thoroughly after handling Manufacturer/supplier or the competent authority to specify parts of the body to be washed after handling. P270 Do not eat, drink or smoke when using this product.	P308 + P311 IF exposed or concerned: Call a POISON CENTER/doctor/Manufacturer/supplier or the competent authority to specify the appropriate source of emergency medical advice.	P405 Store locked up.	P501 Dispose of contents/container to in accordance with local/regional/national/international regulations (to be specified).	

SPECIFIC TARGET ORGAN TOXICITY (Single exposure) (Chapter 3.8)

Symbol Exclamation mark

Hazard category Signal word Hazard statement

Warning H335 May cause respiratory irritation; or

H336 May cause drowsiness or dizziness



Precautionary statements			
Prevention	Response	Storage	Disposal
P261 Avoid breathing dust/fume/gas/mist/ vapours/spray. Manufacturer/supplier or the competent authority to specify applicable conditions. - may be omitted if P260 is given on the label P271 Use only outdoors or in a well- ventilated area.	P304 + P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing. P312 Call a POISON CENTER/doctor//if you feel unwell. Manufacturer/supplier or the competent authority to specify the appropriate source of emergency medical advice.	P403 + P233 Store in a well-ventilated place. Keep container tightly closed. - if product is volatile so as to generate hazardous atmosphere. P405 Store locked up.	P501 Dispose of contents/container to in accordance with local/regional/national/international regulations (to be specified).

ASPIRATION HAZARD (Chapter 3.10)

Symbol Health hazard

Hazard category	Signal word	Hazard statement	
1	Danger	H304	May be fatal if swallowed and enters airways
2	Warning	H305	May be harmful if swallowed and enters airways



Precautionary statements				
Prevention	Response	Storage	Disposal	
	P301 + P310 IF SWALLOWED: Immediately call a POISON CENTER/doctor/Manufacturer/supplier or the competent authority to specify the appropriate source of emergency medical advice. P331 Do NOT induce vomiting.	P405 Store locked up.	P501 Dispose of contents/container to in accordance with local/regional/national/international regulations (to be specified).	

Annex 4

A4.3.2.1.2 Amend to read as follows:

"If the substance or mixture is classified in accordance with Parts 2, 3 and/or 4 of the GHS generally the classification is communicated by providing the appropriate hazard class and category/subcategory to indicate the hazard (for example, flammable liquid, Category 1 and skin corrosive, Category 1A). However, when classification is differentiated within a hazard class and results in unique hazard statements, then the classification should also reflect that differentiation. For example, the route of exposure differentiates the acute toxicity classification as follows: acute oral toxicity Category 1, acute dermal toxicity Category 1 and acute inhalation toxicity Category 1. If a substance or mixture is classified into more than one category in a hazard class that is differentiated, then all classifications should be communicated."