

ANNEX 3

Section 2

CODIFICATION AND USE OF PRECAUTIONARY STATEMENTS

A3.2.1 Introduction

A3.2.1.1 A *precautionary statement* is a phrase (and/or pictogram) which describes recommended measures that should be taken to minimize or prevent adverse effects resulting from exposures to a hazardous product, or its improper storage or handling of a hazardous product (see 1.4.10.5.2 (c)).

A3.2.1.2 For the purposes of the GHS, there are five types of precautionary statements: **general, prevention, response** (in case of accidental spillage or exposure, emergency response and first-aid), **storage** and **disposal**.

A3.2.1.3 This section provides guidance on the selection and use of precautionary statements for each GHS hazard class and category. It will be subject to further refinement and development over time though the overall approach set out below will remain.

A3.2.1.4 Precautionary statements should, as an important part of hazard communication, appear on GHS labels, generally along with the GHS hazard communication elements (pictograms, signal words and hazard statements). Additional supplemental information, such as directions for use, may also be provided at the discretion of the manufacturer/supplier and/or competent authority (see Chapter 1.2 and 1.4.6.3). For some specific chemicals, supplementary first aid, treatment measures or specific antidotes or cleansing materials may be required. Poisons Centres and/or medical practitioners or specialist advice should be sought in such situations and included on labels.

A3.2.1.5 The starting point for assigning precautionary statements is the hazard classification of the substance or mixture. The system of classifying hazards in the GHS is based on the intrinsic properties of the substances or mixtures involved (see 1.3.2.2.1). In some systems, however, labelling may not be required for chronic hazards on consumer product if information shows that the respective risks can be excluded under conditions of normal handling, normal use or foreseeable misuse (see Annex 5). If certain hazard statements are not required then the corresponding precautionary statements are also not necessary (see A5.1.1).

A3.2.1.6 The guidance for assigning the statements in this section has been developed to provide the essential minimum precautionary statements that are linked to relevant GHS hazard classification criteria and type of hazard.

A3.2.1.7 Precautionary statements from existing classification systems were used to the maximum extent as the basis for the development of this Section. These existing systems have included the IPCS International Chemical Safety Card (ICSC) Compilers Guide, the American National Standards (ANSI Z129.1), the EU classification and labelling directives, the Emergency Response Guidebook (ERG 2004), and the Pesticide Label Review Manual of the Environmental Protection Agency (EPA) of the United States of America.

A3.2.1.8 The understanding and following of precautionary label information, specific safety guidelines, and the safety data sheet for each substance or mixture before use are part of occupational health and safety procedures. Consistent use of precautionary statements will reinforce safe handling procedures and will enable the key concepts and approaches to be emphasized in workplace training and education activities.

A3.2.1.9 In order to correctly implement precautionary measures concerning prevention, response, storage and disposal, it is also necessary to have information on the composition of the substance or mixture at hand, so that information shown on the container, label and safety data sheet can be taken into account when asking for further specialist advice.

A3.2.1.10 To protect people with different reading abilities, it might be useful to include both precautionary pictograms and precautionary statements in order to convey information in more than one way (see 1.4.4.1 (a)). It should be noted, however, that the protective effect of pictograms is limited and the examples in this annex do not cover all precautionary aspects to be addressed. While pictograms can be useful, they can be misinterpreted and are not a substitute for training.

A3.2.2 Codification of precautionary statements

A3.2.2.1 Precautionary statements are assigned a unique alphanumeric code which consists of one letter and three numbers as follows:

- (a) a letter “P” (for “precautionary statement”)
- (b) one number designating the type of precautionary statement as follows:
 - “1” for general precautionary statements;
 - “2” for prevention precautionary statements;
 - “3” for response precautionary statements;
 - “4” for storage precautionary statements;
 - “5” for disposal precautionary statements;
- (c) two numbers (corresponding to the sequential numbering of precautionary statements)

A3.2.2.2 The precautionary statement codes are intended to be used for reference purposes. They are not part of the precautionary statement text and should not be used to replace it.

A3.2.2.3 The codes to be used for designating precautionary statements are listed, in numerical order, in Table A3.2.1 for general precautionary statements, Table A3.2.2 for prevention precautionary statements, Table A3.2.3 for response precautionary statements, Table A3.2.4 for storage precautionary statements and Table A3.2.5 for disposal precautionary statements.

A3.2.3 Structure of the precautionary statement tables

A3.2.3.1 Each precautionary statement table is divided into 5 columns containing the following information:

- Column (1) The precautionary statement code;
- Column (2) The precautionary statement text;
- Column (3) The hazard class and the route of exposure, where relevant, for which the use of a precautionary statement is recommended together with a reference to the chapter of the GHS where information about the hazard class may be found.
- Column (4) The hazard category or categories within a hazard class for which the use of a precautionary statement is applicable.
- Column (5) Where applicable, conditions relating to the use of a precautionary statement;

A3.2.4 Use of precautionary statements

A3.2.4.1 Tables A3.2.1 to A3.2.5 show the **core part of the precautionary statements in bold print**. This is the text, except as otherwise specified, that should appear on the label. Derogations from the recommended labelling statements are at the discretion of competent authorities (see A3.2.5).

A3.2.4.2 When a forward slash or diagonal mark “/” appears in a precautionary statement text, it indicates that a choice has to be made between the phrases they separate. In such cases, the manufacturer or supplier can choose, or the competent authorities may prescribe one or more appropriate phrase(s). For example P280 “**Wear protective gloves/protective clothing/eye protection/face protection/hearing protection/...**” could read “**wear eye protection**” or “**wear eye and face protection**”.

A3.2.4.3 When three full stops “...” appears in a precautionary statement text, they indicate that all applicable conditions are not listed. For example in P241 “**Use explosion-proof [electrical/ventilating/lighting/...] equipment**”, the use of “...” indicates that other equipment may need to be specified. Further details of the information to be provided may be found in column (5) of the tables. In such cases the manufacturer or supplier can choose, or the competent authorities may prescribe the other conditions to be specified.

A3.2.4.4 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) of the tables. 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.**”

A3.2.4.5 In cases where additional information is required, or information either has to be or may be specified, this is indicated by a relevant entry in column (5) in plain text.

A3.2.4.6 When *text in italics* is used in the tables, this indicates specific conditions applying to the use or allocation of the precautionary statement. This may relate to conditions attaching to either the general use of a precautionary statement or its use for a particular hazard class and/or hazard category. For example, P241 “**Use explosion-proof [electrical/ventilating/lighting/...] equipment**”, only applies for flammable solids “*if dust clouds can occur*”. *Text in italics* that starts with “– *if*” or “– *specify*” is an explanatory conditional note for the application of the precautionary statements and is not intended to appear on the label.

A3.2.4.7 Where precautionary statements become obsolete, ‘deleted’ is inserted under the existing code in column 1 of the tables in this Section to avoid potential confusion between codes used in different editions of the GHS.

A3.2.5 Flexibility in the use of precautionary statements

A3.2.5.1 Omission of precautionary statements where the advice is not relevant

A3.2.5.1.1 Subject to any requirements of competent authorities, those responsible for labelling may decide to omit other precautionary statements for a hazard class and category where the information is clearly not appropriate or is adequately addressed by other information on the label, taking into account the nature of the user (e.g. consumer, employers and workers), the quantity supplied, and the intended and foreseeable circumstances of use. Where a decision is made to omit a precautionary statement the manufacturer or supplier of the substance or mixture should be able to demonstrate that the precautionary statement is not appropriate for the intended and foreseeable use, including potential emergency situations.

A3.2.5.2 Combination or consolidation of precautionary statements

A3.2.5.2.1 To facilitate translation into the languages of users, precautionary statements have been broken down into individual sentences or parts of sentences in the tables in this section (see Tables A3.2.1 to A3.2.5). In a number of instances, the text that appears on a GHS label requires that these be added back together. This is indicated in this annex by codes conjoined with a plus sign “+”. For example, P305 + P351 + P338 indicates that the text to appear on the label is “**IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing**”. These combined precautionary statements can also be found at the end of each of the precautionary statement tables in this section. Translation of only the single precautionary statements is required, as this will enable the compilation of the combined precautionary statements.

A3.2.5.2.2 Flexibility in the application of individual, combinations or consolidations of precautionary statements is encouraged to save label space and improve readability. The tables in this Section and the matrix in Section 3 of Annex 3 include a number of combined precautionary statements. However, these are only examples and those responsible for labelling should further combine and consolidate phrases where this contributes to clarity and comprehensibility of label information.

A3.2.5.2.3 Combination of precautionary statements can also be useful for different types of hazard where the precautionary behaviour is similar. Examples are P370 + P372 + P380 + P373 “**In case of fire: Explosion risk. Evacuate area. DO NOT fight fire when fire reaches explosives**” and P210 + P403 “**Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Store in a well-ventilated place**”.

A3.2.5.3 Variations of text not affecting the safety message

A3.2.5.3.1 Subject to any requirements of competent authorities, the precautionary statements that appear on labels or in safety data sheets may incorporate minor textual variations from those set out in the GHS where these variations assist in communicating safety information and the safety advice is not diluted or compromised. These may include spelling variations, synonyms or other equivalent terms appropriate to the region where the product is supplied and used.

A3.2.5.3.2 In all cases, clear plain language is essential to convey information on precautionary behaviour. Furthermore, to ensure clarity of safety messages any variations should be applied consistently on the label and in the safety data sheet.

A3.2.5.4 *Application of precautionary statements concerning medical response*

A3.2.5.4.1 Where a substance or mixture is classified for a number of health hazards, this may trigger multiple precautionary statements relating to medical response. In general, the following principles should be applied:

- (a) Always combine medical response statements with at least one route of exposure or symptom (“IF” statement). However, this does not apply to P319 “**Get medical help if you feel unwell**” for specific target organ toxicity repeated exposure, or to P317 “**Get medical help**” for gases under pressure (refrigerated liquefied gas) which are not combined with a separate “IF” statement. Relevant “IF” statements describing symptoms (e.g. P332, P333, P337, P342) should be included in full;
- (b) Where the same medical response statement is triggered for different routes of exposure, then the exposure routes should be combined. If the same response statement is triggered with three or more routes of exposure then P308, “**IF exposed or concerned:**”, may be used instead. If a route of exposure is triggered multiple times it should only be included once;
- (c) Where different medical response statements are triggered for the same route of exposure, then P316 “**Get emergency medical help immediately**” should have priority over P317 “**Get medical help**”; and P317 should have priority over P319 “**Get medical help if you feel unwell**”. P318, “**If exposed or concerned get medical advice**”, should always appear if triggered. To improve clarity and readability when more than one medical statement appears, supplemental text such as ‘additionally’ or ‘also’ should be inserted;
- (d) Where different medical response statements are triggered for different routes of exposure, all the relevant precautionary statements for medical response should appear.

For example:

1. Where P301 and P304 “**IF SWALLOWED:**”, “**IF INHALED:**” and P302 “**IF ON SKIN:**” (for acute toxicity oral 2, inhalation 1 and skin corrosion respectively) are triggered with P316 “**Get emergency medical help immediately**”, then P301 + P304 + P302 + P316, “**IF SWALLOWED, INHALED OR ON SKIN: Get emergency medical help immediately**” should appear. Alternatively, “**IF SWALLOWED, INHALED OR ON SKIN:**” may be replaced by P308, “**IF exposed or concerned:**”.
2. Where P301 “**IF SWALLOWED:**” (for both aspiration hazard and for acute toxicity oral 4) is triggered with P316 “**Get emergency medical help immediately**” and P317 “**Get medical help**” respectively, then P301 + P316 “**IF SWALLOWED: Get emergency medical help immediately**” should appear. Where the classification also includes germ cell mutagenicity, carcinogenicity or reproductive toxicity triggering P318 “**If exposed or concerned, get medical advice**”, then “**IF SWALLOWED: Get emergency medical help immediately. Additionally, if exposed or concerned, get medical advice**” should appear.
3. Where P304, P301, P302 and P333 “**IF INHALED:**”, “**IF SWALLOWED:**”, “**IF ON SKIN:**” and “**If skin irritation or rash occurs:**” (for acute toxicity inhalation 2, acute toxicity oral 4 and skin sensitisation respectively) are triggered with P316 “**Get emergency medical help immediately**”, and P317 “**Get medical help**”, then “**IF INHALED: Get emergency medical help immediately**” and “**IF SWALLOWED or if skin irritation or rash occurs: Get medical help**” should appear.
4. Where P302 and P305 “**IF ON SKIN:**” and “**IF IN EYES:**” (for acute toxicity dermal 2 and eye irritation respectively) are triggered with P316 “**Get emergency medical help immediately**”, P317 “**Get medical help**” and P319 “**Get medical help if you feel unwell**” (for specific target organ toxicity repeated exposure), then P302 + P316 “**IF ON SKIN: Get emergency medical help immediately**”, P337 + P317 “**If eye irritation persists: Get medical help**” and P319 “**Get medical help if you feel unwell**” should all appear.

A3.2.5.4.2 Precautionary statements setting out other relevant responses such as P330 to P336, P338, P340, P351 to P354 and P360 to P364 should also appear in full on the label as appropriate.

A3.2.6 General precautionary measures

A3.2.6.1 General precautionary measures should be adopted for all substances and mixtures which are classified as hazardous to human health or the environment. To this end, the needs of, and the information sources available to two groups of users should be taken into account: consumers and employers/workers.

A3.2.6.2 In addition to the appropriate precautionary statements in the matrix, taking into account the guidance in this section, the general precautionary statements laid out in Table A3.2.1 are appropriate for consumers and should also appear on GHS labels.

Table A3.2.1: General precautionary statements

Code (1)	General precautionary statements (2)	Hazard class (3)	Hazard category (4)	Conditions for use (5)
P101	If medical advice is needed, have product container or label at hand.	as appropriate		Consumer products
P102	Keep out of reach of children.	as appropriate		Consumer products
P103	Read carefully and follow all instructions.	as appropriate		Consumer products - omit where P203 is used.

Table A3.2.2: Prevention precautionary statements

Code (1)	Prevention precautionary statements (2)	Hazard class (3)	Hazard category (4)	Conditions for use (5)
P201	<i>[Deleted]</i>			
P202	<i>[Deleted]</i>			
P203	Obtain, read and follow all safety instructions before use.	Explosives (chapter 2.1)	1, 2A, 2B	
		Flammable gases (chapter 2.2)	1A Chemically unstable gas A Chemically unstable gas B	
		Germ cell mutagenicity (chapter 3.5)	1, 1A, 1B, 2	
		Carcinogenicity (chapter 3.6)	1, 1A, 1B, 2	
		Reproductive toxicity (chapter 3.7)	1, 1A, 1B, 2	
		Reproductive toxicity, effects on or via lactation (chapter 3.7)	Additional category	
		P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.	Explosives (chapter 2.1)
Flammable gases (chapter 2.2)	1A Flammable gas Pyrophoric gas Chemically unstable gas A Chemically unstable gas B			
	1B, 2			
	1, 2, 3			
	1, 2, 3			
Aerosols (chapter 2.3)	1, 2, 3			
Chemicals under pressure (chapter 2.3)	1, 2, 3			
Flammable liquids (chapter 2.6)	1, 2, 3, 4			
Flammable solids (chapter 2.7)	1, 2			
Self-reactive substances and mixtures (chapter 2.8)	Types A, B, C, D, E, F			

Code (1)	Prevention precautionary statements (2)	Hazard class (3)	Hazard category (4)	Conditions for use (5)
P210 (cont'd)		Pyrophoric liquids (chapter 2.9)	1	
		Pyrophoric solids (chapter 2.10)	1	
		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	
		Desensitized explosives (chapter 2.17)	1, 2, 3, 4	
P211	Do not spray on an open flame or other ignition source.	Aerosols (chapter 2.3)	1, 2	
		Chemicals under pressure (chapter 2.3)	1, 2	
P212	Avoid heating under confinement or reduction of the desensitizing agent	Desensitized explosives (chapter 2.17)	1, 2, 3, 4	
P220	Keep away from clothing and other combustible materials.	Oxidizing gases (chapter 2.4)	1	
		Oxidizing liquids (chapter 2.13)	1, 2, 3	
		Oxidizing solids (chapter 2.14)	1, 2, 3	
P222	Do not allow contact with air.	Flammable gases (chapter 2.2)	1A, Pyrophoric gas	<i>– if emphasis of the hazard statement is deemed necessary.</i>
		Pyrophoric liquids (chapter 2.9)	1	
		Pyrophoric solids (chapter 2.10)	1	
P223	Do not allow contact with water.	Substances and mixtures which, in contact with water, emit flammable gases (chapter 2.12)	1, 2	<i>– if emphasis of the hazard statement is deemed necessary.</i>
P230	Keep diluted with ...	Explosives (chapter 2.1)	1, 2A, 2B, 2C	<i>– for explosive substances and mixtures that are diluted with solids or liquids, or wetted with, dissolved or suspended in water or other liquids to reduce their explosive properties.</i> ...Manufacturer/supplier or competent authority to specify appropriate material.
		Desensitized explosives (chapter 2.17)	1, 2, 3, 4	...Manufacturer/supplier or the competent authority to specify appropriate material.

Code (1)	Prevention precautionary statements (2)	Hazard class (3)	Hazard category (4)	Conditions for use (5)
P231	Handle and store contents under inert gas/...	Pyrophoric liquids (chapter 2.9)	1	... Manufacturer/supplier or the competent authority to specify appropriate liquid or gas if “inert gas” is not appropriate.
		Pyrophoric solids (chapter 2.10)	1	
		Substances and mixtures which, in contact with water, emit flammable gases (chapter 2.12)	1, 2, 3	– if the substance or mixture reacts readily with moisture in air. ... Manufacturer/supplier or the competent authority to specify appropriate liquid or gas if “inert gas” is not appropriate.
P232	Protect from moisture.	Substances and mixtures which, in contact with water, emit flammable gases (chapter 2.12)	1, 2, 3	
P233	Keep container tightly closed.	Flammable liquids (chapter 2.6)	1, 2, 3	– if the liquid is volatile and may generate an explosive atmosphere.
		Pyrophoric liquids (chapter 2.9)	1	
		Pyrophoric solids (chapter 2.10)	1	
		Desensitized explosives (chapter 2.17)	1, 2, 3, 4	
		Acute toxicity, inhalation (chapter 3.1)	1, 2, 3	– if the chemical is volatile and may generate a hazardous atmosphere.
		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	
P234	Keep only in original packaging.	Explosives (chapter 2.1)	2A, 2B, 2C	- Omit where P236 is used.
		Self-reactive substances and mixtures (chapter 2.8)	Types A, B, C, D, E, F	
		Organic peroxides (chapter 2.15)	Types A, B, C, D, E, F	
		Corrosive to metals (chapter 2.16)	1	
P235	Keep cool.	Flammable liquids (chapter 2.6)	1, 2, 3	– for flammable liquids Category 1 and other flammable liquids that are volatile and may generate an explosive atmosphere.
		Self-reactive substances and mixtures (chapter 2.8)	Types A, B, C, D, E, F	– may be omitted if P411 is given on the label.
		Self-heating substances and mixtures (chapter 2.11)	1, 2	– may be omitted if P413 is given on the label.
		Organic peroxides (chapter 2.15)	Types A, B, C, D, E, F	– may be omitted if P411 is given on the label.

Code (1)	Prevention precautionary statements (2)	Hazard class (3)	Hazard category (4)	Conditions for use (5)
P236	Keep only in original packaging; Division ... in the transport configuration.	Explosives (chapter 2.1)	2A, 2B, 2C	<ul style="list-style-type: none"> - To be applied for explosives assigned a division within Class 1 for transport. - May be omitted for single packaging where the transport pictogram displaying the division (within Class 1) appears. - May be omitted where the use of different outer packaging results in different divisions for transport. ...Manufacturer/supplier or competent authority to specify the division for transport.
P240	Ground and bond container and receiving equipment.	Explosives (chapter 2.1)	1, 2A, 2B, 2C	- if the explosive is electrostatically sensitive.
		Flammable liquids (chapter 2.6)	1, 2, 3	- if the liquid is volatile and may generate an explosive atmosphere.
		Flammable solids (chapter 2.7)	1, 2	- if the solid is electrostatically sensitive.
		Self-reactive substances and mixtures (chapter 2.8)	Types A, B, C, D, E, F	- if electrostatically sensitive and able to generate an explosive atmosphere.
		Organic peroxides (chapter 2.15)	Types A, B, C, D, E, F	- if electrostatically sensitive and able to generate an explosive atmosphere.
P241	Use explosion-proof [electrical/ventilating/lighting/...] equipment.	Flammable liquids (chapter 2.6)	1, 2, 3	<ul style="list-style-type: none"> - if the liquid is volatile and may generate an explosive atmosphere. - text in square brackets may be used to specify specific electrical, ventilating, lighting or other equipment if necessary and as appropriate. - precautionary statement may be omitted where local or national legislation introduces more specific provisions.
		Flammable solids (chapter 2.7)	1, 2	<ul style="list-style-type: none"> - if dust clouds can occur. - text in square brackets may be used to specify specific electrical, ventilating, lighting or other equipment if necessary and as appropriate. - precautionary statement may be omitted where local or national legislation introduces more specific provisions.
P242	Use non-sparking tools.	Flammable liquids (chapter 2.6)	1, 2, 3	- if the liquid is volatile and may generate an explosive atmosphere and if the minimum ignition energy is very low. (This applies to substances and mixtures where the minimum ignition energy is < 0.1 mJ, e.g. carbon disulphide).

Code (1)	Prevention precautionary statements (2)	Hazard class (3)	Hazard category (4)	Conditions for use (5)
P243	Take action to prevent static discharges.	Flammable liquids (chapter 2.6)	1, 2, 3	– <i>if the liquid is volatile and may generate an explosive atmosphere.</i> – <i>may be omitted where local or national legislation introduces more specific provisions.</i>
P244	Keep valves and fittings free from oil and grease.	Oxidizing gases (chapter 2.4)	1	
P250	Do not subject to grinding/shock/friction/....	Explosives (chapter 2.1)	1, 2A, 2B, 2C	– <i>if the explosive is mechanically sensitive</i> ...Manufacturer/supplier or the competent authority to specify applicable rough handling.
P251	Do not pierce or burn, even after use.	Aerosols (chapter 2.3)	1, 2, 3	
P260	Do not breathe dust/fume/gas/mist/vapours/spray.	Acute toxicity, inhalation (chapter 3.1)	1, 2	Manufacturer/supplier or the competent authority to specify applicable conditions.
		Specific target organ toxicity, single exposure (chapter 3.8)	1, 2	
		Specific target organ toxicity, repeated exposure (chapter 3.9)	1, 2	
		Skin corrosion (chapter 3.2)	1, 1A, 1B, 1C	– <i>specify do not breathe dusts or mists</i> – <i>if inhalable particles of dusts or mists may occur during use.</i>
		Reproductive toxicity, effects on or via lactation (chapter 3.7)	Additional category	
P261	Avoid breathing dust/fume/gas/mist/vapours/spray.	Acute toxicity, inhalation (chapter 3.1)	3, 4	– <i>may be omitted if P260 is given on the label.</i> Manufacturer/supplier or the competent authority to specify applicable conditions.
		Respiratory sensitization (chapter 3.4)	1, 1A, 1B	
		Skin 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	
P262	Do not get in eyes, on skin, or on clothing.	Acute toxicity, dermal (chapter 3.1)	1, 2	
P263	Avoid contact during pregnancy and while nursing.	Reproductive toxicity – effects on or via lactation (chapter 3.7)	Additional category	

Code (1)	Prevention precautionary statements (2)	Hazard class (3)	Hazard category (4)	Conditions for use (5)
P264	Wash hands [and ...] thoroughly after handling.	Acute toxicity, oral (chapter 3.1)	1, 2, 3, 4	<i>- text in square brackets to be used when the manufacturer/supplier or the competent authority specify other parts of the body to be washed after handling.</i>
		Acute toxicity, dermal (chapter 3.1)	1, 2	
		Skin corrosion (chapter 3.2)	1, 1A, 1B, 1C	
		Skin irritation (chapter 3.2)	2	
		Serious eye damage (chapter 3.3)	1	
		Eye irritation (chapter 3.3)	2/2A, 2B	
		Reproductive toxicity, effects on or via lactation (chapter 3.7)	Additional category	
		Specific target organ toxicity, single exposure (chapter 3.8)	1, 2	
		Specific target organ toxicity, repeated exposure (chapter 3.9)	1	
P265	Do not touch eyes.	Serious eye damage (chapter 3.3)	1	
		Eye irritation (chapter 3.3)	2/2A, 2B	
P270	Do not eat, drink or smoke when using this product.	Acute toxicity, oral (chapter 3.1)	1, 2, 3, 4	
		Acute toxicity, dermal (chapter 3.1)	1, 2	
		Reproductive toxicity, effects on or via lactation (chapter 3.7)	Additional category	
		Specific target organ toxicity, single exposure (chapter 3.8)	1, 2	
		Specific target organ toxicity, repeated exposure (chapter 3.9)	1	
P271	Use only outdoors or in a well-ventilated area.	Acute toxicity, inhalation (chapter 3.1)	1, 2, 3, 4	
		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	
P272	Contaminated work clothing should not be allowed out of the workplace.	Skin sensitization (chapter 3.4)	1, 1A, 1B	
P273	Avoid release to the environment.	Hazardous to the aquatic environment, acute hazard (chapter 4.1)	1, 2, 3	<i>– if this is not the intended use.</i>
		Hazardous to the aquatic environment, long-term hazard (chapter 4.1)	1, 2, 3, 4	

Code (1)	Prevention precautionary statements (2)	Hazard class (3)	Hazard category (4)	Conditions for use (5)	
P280	Wear protective gloves/protective clothing/eye protection/face protection/hearing protection/...	Explosives (chapter 2.1)	1, 2A, 2B, 2C	Manufacturer/supplier or the competent authority to specify the appropriate personal protective equipment.	
		Flammable gases (chapter 2.2)	1A, Pyrophoric gas		
		Flammable liquids (chapter 2.6)	1, 2, 3, 4		
		Flammable solids (chapter 2.7)	1, 2		
		Self-reactive substances and mixtures (chapter 2.8)	Types A, B, C, D, E, F		
		Pyrophoric liquids (chapter 2.9)	1		
		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		
		Desensitized explosives (chapter 2.17)	1, 2, 3, 4		
		Acute toxicity, dermal (chapter 3.1)	1, 2, 3, 4		– <i>Specify protective gloves/clothing.</i> Manufacturer/supplier or the competent authority may further specify type of equipment where appropriate.
		Skin corrosion (chapter 3.2)	1, 1A, 1B, 1C		– <i>Specify protective gloves/clothing and eye/face protection.</i> Manufacturer/supplier or the competent authority may further specify type of equipment where appropriate.
Skin irritation (chapter 3.2)	2	– <i>Specify protective gloves.</i>			
Skin sensitization (chapter 3.4)	1, 1A, 1B	Manufacturer/supplier or the competent authority may further specify type of equipment where appropriate.			
Serious eye damage (chapter 3.3)	1	– <i>Specify protective gloves and eye/face protection.</i>			
Eye irritation (chapter 3.3)	2/2A	Manufacturer/supplier or the competent authority may further specify type of equipment where appropriate.			
Germ cell mutagenicity (chapter 3.5)	1, 1A, 1B, 2	Manufacturer/supplier or the competent authority to specify the appropriate personal protective equipment.			
Carcinogenicity (chapter 3.6)	1, 1A, 1B, 2				
Reproductive toxicity (chapter 3.7)	1, 1A, 1B, 2				
P282	Wear cold insulating gloves and either face shield or eye protection.	Gases under pressure (chapter 2.5)	Refrigerated liquefied gas		

Code (1)	Prevention precautionary statements (2)	Hazard class (3)	Hazard category (4)	Conditions for use (5)
P283	Wear fire resistant or flame-retardant clothing.	Oxidizing liquids (chapter 2.13)	1	
		Oxidizing solids (chapter 2.14)	1	
P284	[In case of inadequate ventilation] wear respiratory protection.	Acute toxicity, inhalation (chapter 3.1)	1, 2	– <i>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.</i> Manufacturer/supplier or the competent authority to specify equipment.
		Respiratory sensitization (chapter 3.4)	1, 1A, 1B	
P231 + P232	Handle and store contents under inert gas/... Protect from moisture.	Substances and mixtures which, in contact with water, emit flammable gases (chapter 2.12)	1, 2, 3	– <i>if the substance or mixture reacts readily with moisture in air.</i> ...Manufacturer/supplier or the competent authority to specify appropriate liquid or gas if “inert gas” is not appropriate.
P264 + P265	Wash hands [and...] thoroughly after handling. Do not touch eyes.	Serious eye damage (chapter 3.3)	1	- <i>text in square brackets to be used when the manufacturer/supplier or the competent authority specify other parts of the body to be washed after handling.</i>
		Eye irritation (chapter 3.3)	2/2A, 2B	

Table A3.2.3: Response precautionary statements

Code (1)	Response precautionary statements (2)	Hazard class (3)	Hazard category (4)	Conditions for use (5)
P301	IF SWALLOWED:	Acute toxicity, oral (chapter 3.1)	1, 2, 3, 4, 5	
		Skin corrosion (chapter 3.2)	1, 1A, 1B, 1C	
		Aspiration hazard (chapter 3.10)	1, 2	
P302	IF ON SKIN:	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	
		Acute toxicity, dermal (chapter 3.1)	1, 2, 3, 4, 5	
		Skin corrosion (chapter 3.2)	1, 1A, 1B, 1C	
		Skin irritation (chapter 3.2)	2	
		Skin sensitization (chapter 3.4)	1, 1A, 1B	
		P303	IF ON SKIN (or hair):	
P304	IF INHALED:	Acute toxicity, inhalation (chapter 3.1)	1, 2, 3, 4, 5	
		Skin corrosion (chapter 3.2)	1, 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	
P305	IF IN EYES:	Skin corrosion (chapter 3.2)	1, 1A, 1B, 1C	
		Serious eye damage (chapter 3.3)	1	
		Eye irritation (chapter 3.3)	2/2A, 2B	
P306	IF ON CLOTHING:	Oxidizing liquids (chapter 2.13)	1	
		Oxidizing solids (chapter 2.14)	1	
P308	IF exposed or concerned:	Specific target organ toxicity, single exposure (chapter 3.8)	1, 2	
P310	<i>[Deleted]</i>			
P311	<i>[Deleted]</i>			
P312	<i>[Deleted]</i>			
P313	<i>[Deleted]</i>			
P314	<i>[Deleted]</i>			
P315	<i>[Deleted]</i>			

Code (1)	Response precautionary statements (2)	Hazard class (3)	Hazard category (4)	Conditions for use (5)
P316	Get emergency medical help immediately.	Acute toxicity, oral (chapter 3.1)	1, 2, 3	Competent authority or manufacturer/supplier may add, "Call" followed by the appropriate emergency telephone number, or the appropriate emergency medical help provider, for example, a poison centre, emergency centre or doctor.
		Acute toxicity, dermal (chapter 3.1)	1, 2, 3	
		Acute toxicity, inhalation (chapter 3.1)	1, 2, 3	
		Skin corrosion (chapter 3.2)	1, 1A, 1B, 1C	
		Respiratory sensitization (chapter 3.4)	1, 1A, 1B	
		Specific target organ toxicity, single exposure; (chapter 3.8)	1, 2	
		Aspiration hazard (chapter 3.10)	1, 2	
P317	Get medical help.	Gases under pressure (chapter 2.5)	Refrigerated liquefied gas	
		Acute toxicity, oral (chapter 3.1)	4, 5	
		Acute toxicity, dermal (chapter 3.1)	4, 5	
		Acute toxicity, inhalation (chapter 3.1)	4, 5	
		Skin irritation (chapter 3.2)	2, 3	
		Serious eye damage (chapter 3.3)	1	
		Eye irritation (chapter 3.3)	2/2A, 2B	
		Skin sensitization (chapter 3.4)	1, 1A, 1B	
P318	IF exposed or concerned, get medical advice.	Germ cell mutagenicity (chapter 3.5)	1, 1A, 1B, 2	
		Carcinogenicity (chapter 3.6)	1, 1A, 1B, 2	
		Reproductive toxicity (chapter 3.7)	1, 1A, 1B, 2	
		Reproductive toxicity, effects on or via lactation (chapter 3.7)	Additional category	
P319	Get medical help if you feel unwell.	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	
		Specific target organ toxicity, repeated exposure (chapter 3.9)	1, 2	
P320	Specific treatment is urgent (see ... on this label).	Acute toxicity, inhalation (chapter 3.1)	1, 2	– if immediate administration of antidote is required. ...Reference to supplemental first aid instruction.

Code (1)	Response precautionary statements (2)	Hazard class (3)	Hazard category (4)	Conditions for use (5)
P321	Specific treatment (see ... on this label).	Acute toxicity, oral (chapter 3.1)	1, 2, 3	– if immediate administration of antidote is required. ...Reference to supplemental first aid instruction.
		Acute toxicity, dermal (chapter 3.1)	1, 2, 3, 4	– if immediate measures such as specific cleansing agent is advised. ...Reference to supplemental first aid instruction.
		Acute toxicity, inhalation (chapter 3.1)	3	– if immediate specific measures are required. ...Reference to supplemental first aid instruction.
		Skin corrosion (chapter 3.2)	1, 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 the competent authority may specify a cleansing agent if appropriate.
		Specific target organ toxicity, single exposure (chapter 3.8)	1	– if immediate measures are required. ...Reference to supplemental first aid instruction.
P330	Rinse mouth.	Acute toxicity, oral (chapter 3.1)	1, 2, 3, 4	
		Skin corrosion (chapter 3.2)	1, 1A, 1B, 1C	
P331	Do NOT induce vomiting.	Skin corrosion (chapter 3.2)	1, 1A, 1B, 1C	
		Aspiration hazard (chapter 3.10)	1, 2	
P332	If skin irritation occurs:	Skin irritation (chapter 3.2)	2, 3	- may be omitted if P333 is given on the label.
P333	If skin irritation or rash occurs:	Skin sensitization (chapter 3.4)	1, 1A, 1B	
P334	Immerse in cool water [or wrap in wet bandages].	Pyrophoric liquids (chapter 2.9)	1	– text in square brackets to be used for pyrophoric liquids and solids.
		Pyrophoric solids (chapter 2.10)	1	
		Substances and mixtures which, in contact with water, emit flammable gases (chapter 2.12)	1, 2	– use only “Immerse in cool water.” Text in square brackets should not be used.
P335	Brush off loose particles from skin.	Pyrophoric solids (chapter 2.10)	1	
		Substances and mixtures which, in contact with water, emit flammable gases (chapter 2.12)	1, 2	
P336	Immediately thaw frosted parts with lukewarm water. Do not rub affected area.	Gases under pressure (chapter 2.5)	Refrigerated liquefied gas	
P337	If eye irritation persists:	Eye irritation (chapter 3.3)	2/2A, 2B	

Code (1)	Response precautionary statements (2)	Hazard class (3)	Hazard category (4)	Conditions for use (5)
P338	Remove contact lenses, if present and easy to do. Continue rinsing.	Skin corrosion (chapter 3.2)	1, 1A, 1B, 1C	
		Serious eye damage (chapter 3.3)	1	
		Eye irritation (chapter 3.3)	2/2A, 2B	
P340	Remove person to fresh air and keep comfortable for breathing.	Acute toxicity, inhalation (chapter 3.1)	1, 2, 3, 4	
		Skin corrosion (chapter 3.2)	1, 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	
P342	If experiencing respiratory symptoms:	Respiratory sensitization (chapter 3.4)	1, 1A, 1B	
P351	Rinse cautiously with water for several minutes.	Eye irritation (chapter 3.3)	2/2A, 2B	
P352	Wash with plenty of water/...	Acute toxicity, dermal (chapter 3.1)	1, 2, 3, 4	...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.
		Skin irritation (chapter 3.2)	2	
		Skin sensitization (chapter 3.4)	1, 1A, 1B	
P353	Rinse affected areas with water [or shower].	Flammable liquids (chapter 2.6)	1, 2, 3	<i>– text in square brackets to be included where the manufacturer/supplier or the competent authority considers it appropriate for the specific chemical.</i>
P354	Immediately rinse with water for several minutes.	Skin corrosion (chapter 3.2)	1, 1A, 1B, 1C	
		Serious eye damage (chapter 3.3)	1	
P360	Rinse immediately contaminated clothing and skin with plenty of water before removing clothes.	Oxidizing liquids (chapter 2.13)	1	
		Oxidizing solids (chapter 2.14)	1	
P361	Take off immediately all contaminated clothing.	Flammable liquids (chapter 2.6)	1, 2, 3	
		Acute toxicity, dermal (chapter 3.1)	1, 2, 3	
		Skin corrosion (chapter 3.2)	1, 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)	1, 1A, 1B, 1C	

Code (1)	Response precautionary statements (2)	Hazard class (3)	Hazard category (4)	Conditions for use (5)
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	
P370	In case of fire:	Explosives (chapter 2.1)	1, 2A, 2B, 2C	
		Chemicals under pressure (chapter 2.3)	1, 2	
		Oxidizing gases (chapter 2.4)	1	
		Flammable liquids (chapter 2.6)	1, 2, 3, 4	
		Flammable solids (chapter 2.7)	1, 2	
		Self-reactive substances and mixtures (chapter 2.8)	Types A, B, C, D, E, F	
		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	
		Organic peroxides (chapter 2.15)	Types A, B, C, D, E, F	
		Desensitized explosives (chapter 2.17)	1, 2, 3	
P371	In case of major fire and large quantities:	Oxidizing liquids (chapter 2.13)	1	
		Oxidizing solids (chapter 2.14)	1	
		Desensitized explosives (chapter 2.17)	4	
P372	Explosion risk.	Explosives (chapter 2.1)	1, 2A, 2B	
		Self-reactive substances and mixtures (chapter 2.8)	Type A	
		Organic peroxides (chapter 2.15)	Type A	
P373	DO NOT fight fire when fire reaches explosives.	Explosives (chapter 2.1)	1, 2A, 2B	
		Self-reactive substances and mixtures (chapter 2.8)	Type A	
		Organic peroxides (chapter 2.15)	Type A	

Code (1)	Response precautionary statements (2)	Hazard class (3)	Hazard category (4)	Conditions for use (5)	
P375	Fight fire remotely due to the risk of explosion.	Explosives (chapter 2.1)	2C		
		Self-reactive substances and mixtures (chapter 2.8)	Type B		
		Oxidizing liquids (chapter 2.13)	1		
		Oxidizing solids (chapter 2.14)	1		
		Organic peroxides (chapter 2.15)	Type B		
		Desensitized explosives (chapter 2.17)	1, 2, 3, 4		
P376	Stop leak if safe to do so.	Chemicals under pressure (chapter 2.3)	1, 2, 3		
		Oxidizing gases (chapter 2.4)	1		
P377	Leaking gas fire: Do not extinguish, unless leak can be stopped safely.	Flammable gases (chapter 2.2)	1A	Flammable gas	
				Pyrophoric gas	
				Chemically unstable gas A	
				Chemically unstable gas B	
			1B, 2		
P378	Use ... to extinguish.	Chemicals under pressure (chapter 2.3)	1, 2	– <i>if water increases risk.</i> ... Manufacturer/supplier or the competent authority to specify appropriate media.	
		Flammable liquids (chapter 2.6)	1, 2, 3, 4		
		Flammable solids (chapter 2.7)	1, 2		
		Self-reactive substances and mixtures (chapter 2.8)	Types B, C, D, E, F		
		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		
		Organic peroxides (chapter 2.15)	Types B, C, D, E, F		
P380	Evacuate area.	Explosives (chapter 2.1)	1, 2A, 2B, 2C		
		Self-reactive substances and mixtures (chapter 2.8)	Types A, B		
		Oxidizing liquids (chapter 2.13)	1		
		Oxidizing solids (chapter 2.14)	1		
		Organic peroxides (chapter 2.15)	Types A, B		
		Desensitized explosives (chapter 2.17)	1, 2, 3, 4		

Code (1)	Response precautionary statements (2)	Hazard class (3)	Hazard category (4)	Conditions for use (5)
P381	In case of leakage, eliminate all ignition sources.	Flammable gases (chapter 2.2)	1A Flammable gas Pyrophoric gas Chemically unstable gas A Chemically unstable gas B	
		Chemicals under pressure (chapter 2.3)	1B, 2 1, 2	
P390	Absorb spillage to prevent material-damage.	Corrosive to metals (chapter 2.16)	1	
P391	Collect spillage.	Hazardous to the aquatic environment, acute hazard (chapter 4.1)	1	
		Hazardous to the aquatic environment, long-term hazard (chapter 4.1)	1, 2	
P301 + P316	IF SWALLOWED: Get emergency medical help immediately.	Acute toxicity, oral (chapter 3.1)	1, 2, 3	Competent authority or manufacturer / supplier may add, "Call" followed by the appropriate emergency telephone number, or the appropriate emergency medical help provider, for example, a poison centre, emergency centre or doctor.
		Aspiration hazard (chapter 3.10)	1, 2	
P301 + P317	IF SWALLOWED: Get medical help.	Acute toxicity, oral (chapter 3.1)	4, 5	
P302 + P317	IF ON SKIN: Get medical help.	Acute toxicity, dermal (chapter 3.1)	5	
P302 + P334	IF ON SKIN: Immerse in cool water or wrap in wet bandages.	Pyrophoric liquids (chapter 2.9)	1	
P302 + P352	IF ON SKIN: Wash with plenty of water/...	Acute toxicity, dermal (chapter 3.1)	1, 2, 3, 4	...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.
		Skin irritation (chapter 3.2)	2	
		Skin sensitization (chapter 3.4)	1, 1A, 1B	
P304 + P317	IF INHALED: Get medical help.	Acute toxicity, inhalation (chapter 3.1)	5	

Code (1)	Response precautionary statements (2)	Hazard class (3)	Hazard category (4)	Conditions for use (5)
P304 + P340	IF INHALED: Remove person to fresh air and keep comfortable for breathing.	Acute toxicity, inhalation (chapter 3.1)	1, 2, 3, 4	
		Skin corrosion (chapter 3.2)	1, 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	
P306 + P360	IF ON CLOTHING: Rinse immediately contaminated clothing and skin with plenty of water before removing clothes.	Oxidizing liquids (chapter 2.13)	1	
		Oxidizing solids (chapter 2.14)	1	
P308 + P316	IF exposed or concerned: Get emergency medical help immediately.	Specific target organ toxicity, single exposure (chapter 3.8)	1, 2	Competent authority or manufacturer / supplier may add, "Call" followed by the appropriate emergency telephone number, or the appropriate emergency medical help provider, for example, a poison centre, emergency centre or doctor.
P332 + P317	If skin irritation occurs: Get medical help.	Skin irritation (chapter 3.2)	2, 3	<i>– may be omitted when P333+P317 is given on the label.</i>
P333 + P317	If skin irritation or rash occurs: Get medical help.	Skin sensitization (chapter 3.4)	1, 1A, 1B	
P336 + P317	Immediately thaw frosted parts with lukewarm water. Do not rub affected area. Get medical help.	Gases under pressure (chapter 2.5)	Refrigerated liquefied gas	
P337 + P317	If eye irritation persists: Get medical help.	Eye irritation (chapter 3.3)	2/2A, 2B	
P342 + P316	If experiencing respiratory symptoms: Get emergency medical help immediately.	Respiratory sensitization (chapter 3.4)	1, 1A, 1B	Competent authority or manufacturer/supplier may add, "Call" followed by the appropriate emergency telephone number, or the appropriate emergency medical help provider, for example, a poison centre, emergency centre or doctor.
P361 + P364	Take off immediately all contaminated clothing and wash it before reuse.	Acute toxicity, dermal (chapter 3.1)	1, 2, 3	

Code (1)	Response precautionary statements (2)	Hazard class (3)	Hazard category (4)	Conditions for use (5)
P362 + P364	Take off contaminated clothing and wash it before reuse.	Acute toxicity, dermal (chapter 3.1)	4	
		Skin irritation (chapter 3.2)	2	
		Skin sensitization (chapter 3.4)	1, 1A, 1B	
P370 + P376	In case of fire: Stop leak if safe to do so.	Oxidizing gases (chapter 2.4)	1	
P370 + P378	In case of fire: Use ... to extinguish.	Chemicals under pressure (chapter 2.3)	1, 2	– <i>if water increases risk.</i> ... Manufacturer/supplier or the competent authority to specify appropriate media.
		Flammable liquids (chapter 2.6)	1, 2, 3, 4	
		Flammable solids (chapter 2.7)	1, 2	
		Self-reactive substances and mixtures (chapter 2.8)	Types C, D, E, F	
		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	
		Organic peroxides (chapter 2.15)	Types C, D, E, F	
P301 + P330 + P331	IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.	Skin corrosion (chapter 3.2)	1, 1A, 1B, 1C	
P302 + P335 + P334	IF ON SKIN: Brush off loose particles from skin. Immerse in cool water [or wrap in wet bandages].	Pyrophoric solids (chapter 2.10)	1	– <i>text in square brackets to be used for pyrophoric solids</i>
		Substances and mixtures which, in contact with water, emit flammable gases (chapter 2.12)	1, 2	– <i>use only “Immerse in cool water.” Text in square brackets should not be used.</i>
P302 + P361 + P354	IF ON SKIN: Take off immediately all contaminated clothing. Immediately rinse with water for several minutes.	Skin corrosion (chapter 3.2)	1, 1A, 1B, 1C	
P303 + P361 + P353	IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse affected areas with water [or shower].	Flammable liquids (chapter 2.6)	1, 2, 3	– <i>text in square brackets to be included where the manufacturer/supplier or the competent authority considers it appropriate for the specific chemical.</i>

Code (1)	Response precautionary statements (2)	Hazard class (3)	Hazard category (4)	Conditions for use (5)
P305 + P351 + P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.	Eye irritation (chapter 3.3)	2/2A, 2B	
P305 + P354 + P338	IF IN EYES: Immediately rinse with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.	Skin corrosion (chapter 3.2) Serious eye damage (chapter 3.3)	1, 1A, 1B, 1C 1	
P370 + P380 + P375	In case of fire: Evacuate area. Fight fire remotely due to the risk of explosion.	Explosives (chapter 2.1) Desensitized explosives (chapter 2.17)	2C 1, 2, 3	
P371 + P380 + P375	In case of major fire and large quantities: Evacuate area. Fight fire remotely due to the risk of explosion.	Oxidizing liquids (chapter 2.13) Oxidizing solids (chapter 2.14) Desensitized explosives (chapter 2.17)	1 1 4	
P370 + P372 + P380 + P373	In case of fire: Explosion risk. Evacuate area. DO NOT fight fire when fire reaches explosives.	Explosives (chapter 2.1) Self-reactive substances and mixtures (chapter 2.8) Organic peroxides (chapter 2.15)	1, 2A, 2B Type A Type A	
P370 + P380 + P375 [+ P378]	In case of fire: Evacuate area. Fight fire remotely due to the risk of explosion. [Use...to extinguish].	Self-reactive substances and mixtures (chapter 2.8) Organic peroxides (chapter 2.15)	Type B Type B	– text in square brackets to be used if water increases risk. ... Manufacturer/supplier or the competent authority to specify appropriate media.

Table A3.2.4: Storage precautionary statements

Code (1)	Storage precautionary statements (2)	Hazard class (3)	Hazard category (4)	Conditions for use (5)	
P401	Store in accordance with...	Explosives (chapter 2.1)	1, 2A, 2B, 2C	... Manufacturer/supplier or the competent authority to specify local/regional/ national/international regulations as applicable.	
		Desensitized explosives (chapter 2.17)	1, 2, 3, 4		
P402	Store in a dry place.	Substances and mixtures which, in contact with water, emit flammable gases (chapter 2.12)	1, 2, 3		
P403	Store in a well-ventilated place.	Flammable gases (chapter 2.2)	1A	Flammable gas	
				Pyrophoric gas	
				Chemically unstable gas A	
				Chemically unstable gas B	
			1B, 2		
		Chemicals under pressure (chapter 2.3)	1, 2, 3		
		Oxidizing gases (chapter 2.4)	1		
		Gases under pressure (chapter 2.5)	Compressed gas		
			Liquefied gas		
			Refrigerated liquefied gas		
			Dissolved gas		
		Flammable liquids (chapter 2.6)	1, 2, 3, 4	<i>– for flammable liquids Category 1 and other flammable liquids that are volatile and may generate an explosive atmosphere.</i>	
		Self-reactive substances and mixtures (chapter 2.8)	Types A, B, C, D, E, F	<i>– except for temperature controlled self-reactive substances and mixtures or organic peroxides because condensation and consequent freezing may take place.</i>	
Organic peroxides (chapter 2.15)	Types A, B, C, D, E, F				
Acute toxicity, inhalation (chapter 3.1)	1, 2, 3	<i>– if the chemical is volatile and may generate a hazardous atmosphere.</i>			
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				
P404	Store in a closed container.	Substances and mixtures which, in contact with water, emit flammable gases (chapter 2.12)	1, 2, 3		

Code (1)	Storage precautionary statements (2)	Hazard class (3)	Hazard category (4)	Conditions for use (5)
P405	Store locked up.	Acute toxicity, oral (chapter 3.1)	1, 2, 3	
		Acute toxicity, dermal (chapter 3.1)	1, 2, 3	
		Acute toxicity, inhalation (chapter 3.1)	1, 2, 3	
		Skin corrosion (chapter 3.2)	1, 1A, 1B, 1C	
		Germ cell mutagenicity (chapter 3.5)	1, 1A, 1B, 2	
		Carcinogenicity (chapter 3.6)	1, 1A, 1B, 2	
		Reproductive toxicity (chapter 3.7)	1, 1A, 1B, 2	
		Specific target organ toxicity, single exposure (chapter 3.8)	1, 2	
		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	
		Aspiration hazard (chapter 3.10)	1, 2	
P406	Store in a corrosion resistant/...container with a resistant inner liner.	Corrosive to metals (chapter 2.16)	1	– <i>may be omitted if P234 is given on the label</i> ... Manufacturer/supplier or the competent authority to specify other compatible materials.
P407	Maintain air gap between stacks or pallets.	Self-heating substances and mixtures (chapter 2.11)	1, 2	

Code (1)	Storage precautionary statements (2)	Hazard class (3)	Hazard category (4)	Conditions for use (5)
P410	Protect from sunlight.	Aerosols (chapter 2.3)	1, 2, 3	
		Chemicals under pressure (chapter 2.3)	1, 2, 3	– <i>may be omitted for chemicals under pressure filled in transportable cylinders in accordance with packing instruction P200 or P206 of the UN Model Regulations, unless those chemicals under pressure are subject to (slow) decomposition or polymerization, or the competent authority provides otherwise.</i>
		Gases under pressure (chapter 2.5)	Compressed gas Liquefied gas Dissolved gas	– <i>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.</i>
		Self-heating substances and mixtures (chapter 2.11)	1, 2	
		Organic peroxides (chapter 2.15)	Types A, B, C, D, E, F	
P411	Store at temperatures not exceeding ...°C/...°F.	Self-reactive substances and mixtures (chapter 2.8)	Types A, B, C, D, E, F	– <i>if temperature control is required (according to section 2.8.2.3 or 2.15.2.3 of the GHS) or if otherwise deemed necessary.</i> ...Manufacturer/supplier or the competent authority to specify temperature using applicable temperature scale.
		Organic peroxides (chapter 2.15)	Types A, B, C, D, E, F	
P412	Do not expose to temperatures exceeding 50°C/122 °F.	Aerosols (chapter 2.3)	1, 2, 3	Manufacturer/supplier or the competent authority to use applicable temperature scale.
P413	Store bulk masses greater than ... kg/...lbs at temperatures not exceeding ...°C/...°F.	Self-heating substances and mixtures (chapter 2.11)	1, 2	...Manufacturer/supplier or the competent authority to specify mass and temperature using applicable scale.

Code (1)	Storage precautionary statements (2)	Hazard class (3)	Hazard category (4)	Conditions for use (5)
P420	Store separately.	Self-reactive substances and mixtures (chapter 2.8)	Types A, B, C, D, E, F	
		Self-heating substances and mixtures (chapter 2.11)	1, 2	
		Oxidizing liquids (chapter 2.13)	1	
		Oxidizing solids (chapter 2.14)	1	
		Organic peroxides (chapter 2.15)	Types A, B, C, D, E, F	
P402 + P404	Store in a dry place. Store in a closed container.	Substances and mixtures which, in contact with water, emit flammable gases (chapter 2.12)	1, 2, 3	
P403 + P233	Store in a well-ventilated place. Keep container tightly closed.	Acute toxicity, inhalation (chapter 3.1)	1, 2, 3	<i>– if the chemical is volatile and may generate a hazardous atmosphere.</i>
		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	
P403 + P235	Store in a well-ventilated place. Keep cool.	Flammable liquids (chapter 2.6)	1, 2, 3	<i>– for flammable liquids Category 1 and other flammable liquids that are volatile and may generate an explosive atmosphere.</i>
P410 + P403	Protect from sunlight. Store in a well-ventilated place.	Chemicals under pressure (chapter 2.3)	1, 2, 3	<i>– P410 may be omitted for chemicals under pressure filled in transportable cylinders in accordance with packing instruction P200 or P206 of the UN Model Regulations, unless those chemicals under pressure are subject to (slow) decomposition or polymerization, or the competent authority provides otherwise.</i>
		Gases under pressure (chapter 2.5)	Compressed gas Liquefied gas Dissolved gas	<i>– P410 may be omitted for gases filled in transportable gas cylinders in accordance with packing instruction P200 of the UN Model Regulations, unless those gases are subject to (slow) decomposition or polymerisation, or the competent authority provides otherwise.</i>
P410 + P412	Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F.	Aerosols (chapter 2.3)	1, 2, 3	Manufacturer/supplier or the competent authority to use applicable temperature scale.

Table A3.2.5: Disposal precautionary statements

Code (1)	Disposal precautionary statements (2)	Hazard class (3)	Hazard category (4)	Conditions for use (5)
P501	Dispose of contents/container to ...	Flammable liquids (chapter 2.6)	1, 2, 3, 4	... in accordance with local/regional/national/international regulation (to be specified). Manufacturer/supplier or the competent authority to specify whether disposal requirements apply to contents, container or both.
		Self-reactive substances and mixtures (chapter 2.8)	Types A, B, C, D, E, F	
		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	
		Desensitized explosives (chapter 2.17)	1, 2, 3, 4	
		Acute toxicity, oral (chapter 3.1)	1, 2, 3, 4	
		Acute toxicity, dermal (chapter 3.1)	1, 2, 3, 4	
		Acute toxicity, inhalation (chapter 3.1)	1, 2, 3	
		Skin corrosion (chapter 3.2)	1, 1A, 1B, 1C	... in accordance with local/regional/national/international regulation (to be specified). Manufacturer/supplier or the competent authority to specify whether disposal requirements apply to contents, container or both.
		Respiratory sensitization (chapter 3.4)	1, 1A, 1B	
		Skin sensitization (chapter 3.4)	1, 1A, 1B	
		Germ cell mutagenicity (chapter 3.5)	1, 1A, 1B, 2	
		Carcinogenicity (chapter 3.6)	1, 1A, 1B, 2	
		Reproductive toxicity (chapter 3.7)	1, 1A, 1B, 2	
		Specific target organ toxicity, single exposure (chapter 3.8)	1, 2	
		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	
		Specific target organ toxicity, repeated exposure (chapter 3.9)	1, 2	
		Aspiration hazard (chapter 3.10)	1, 2	
		Hazardous to the aquatic environment, acute hazard (chapter 4.1)	1, 2, 3	
Hazardous to the aquatic environment, long-term hazard (chapter 4.1)	1, 2, 3, 4			

Code (1)	Disposal precautionary statements (2)	Hazard class (3)	Hazard category (4)	Conditions for use (5)
P502	Refer to manufacturer or supplier for information on recovery or recycling.	Hazardous to the ozone layer (chapter 4.2)	1	
P503	Refer to manufacturer/supplier... for information on disposal/recovery/recycling.	Explosives (chapter 2.1)	1A, 2A, 2B, 2C	... Manufacturer/supplier or the competent authority to specify appropriate source of information in accordance with local/regional/national/international regulations as applicable