

## **ANNEX 3**

# **CODIFICATION OF HAZARD STATEMENTS, CODIFICATION AND USE OF PRECAUTIONARY STATEMENTS, CODIFICATION OF HAZARD PICTOGRAMS AND EXAMPLES OF PRECAUTIONARY PICTOGRAMS**



## Annex 3

### Section 1

## CODIFICATION OF HAZARD STATEMENTS

### A3.1.1 Introduction

A3.1.1.1 *Hazard statement* means a statement assigned to a hazard class and category that describes the nature of the hazards of a hazardous product, including, where appropriate, the degree of hazard.

A3.1.1.2 This section contains the recommended codes assigned to each of the hazard statements applicable to the hazard categories under the GHS.

A3.1.1.3 The hazard statement codes are intended to be used for reference purposes. They are not part of the hazard statement text and should not be used to replace it.

### A3.1.2 Codification of hazard statements

A3.1.2.1 Hazard statements are assigned a unique alphanumerical code which consists of one letter and three numbers, as follows:

- (a) the letter “H” (for “hazard statement”);
- (b) a number designating the type of hazard to which the hazard statement is assigned according to the numbering of the different parts of the GHS, as follows:
  - “2” for physical hazards;
  - “3” for health hazards;
  - “4” for environmental hazards;
- (c) two numbers corresponding to the sequential numbering of hazards arising from the intrinsic properties of the substance or mixture, such as explosivity (codes from 200 to 210), flammability (codes from 220 to 230), etc.

A3.1.2.2 The codes to be used for designating hazard statements are listed, in numerical order, in Table A3.1.1 for physical hazards, Table A3.1.2 for health hazards and Table A3.1.3 for environmental hazards. Each table is divided into 4 columns containing the following information:

Column (1) The hazard statement code;

Column (2) The hazard statement text;

The text in bold should appear on the label, except as otherwise specified. The information in italics should also appear as part of the hazard statement when the information is known.

For example: “**causes damages to organs** (*or state all organs affected, if known*) **through prolonged or repeated exposure** (*state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard*)”.

Column (3) Hazard class, 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 hazard statement is applicable.

A3.1.2.3 In addition to individual hazard statements, a number of combined hazard statements are given in Table A3.1.2. The alphanumerical codes for the combined statements are constructed from the codes for the individual statements that are combined, conjoined with the plus (“+”) sign. For example, H300 + H310 indicates that the text to appear on the label is “Fatal if swallowed or in contact with skin”.

A3.1.2.4 All assigned hazard statements should appear on the label unless otherwise specified in 1.4.10.5.3.3. The competent authority may specify the order in which they appear. Also, where a combined hazard statement is indicated for two or more hazard statements, the competent authority may specify whether the combined hazard statement or the corresponding individual statements should appear on the label, or may leave the choice to the manufacturer/supplier.

**Table A3.1.1: Hazard statement codes for physical hazards**

<b>Code (1)</b>	<b>Physical hazard statements (2)</b>	<b>Hazard class (GHS chapter) (3)</b>	<b>Hazard category (4)</b>
H200	<b>Unstable explosive</b>	Explosives (chapter 2.1)	Unstable explosive
H201	<b>Explosive; mass explosion hazard</b>	Explosives (chapter 2.1)	Division 1.1
H202	<b>Explosive; severe projection hazard</b>	Explosives (chapter 2.1)	Division 1.2
H203	<b>Explosive; fire, blast or projection hazard</b>	Explosives (chapter 2.1)	Division 1.3
H204	<b>Fire or projection hazard</b>	Explosives (chapter 2.1)	Division 1.4
H205	<b>May mass explode in fire</b>	Explosives (chapter 2.1)	Division 1.5
H206	<b>Fire, blast or projection hazard; increased risk of explosion if desensitizing agent is reduced</b>	Desensitized explosives (chapter 2.17)	1
H207	<b>Fire or projection hazard; increased risk of explosion if desensitizing agent is reduced</b>	Desensitized explosives (chapter 2.17)	2, 3
H208	<b>Fire hazard; increased risk of explosion if desensitizing agent is reduced</b>	Desensitized explosives (chapter 2.17)	4
<b>Flammable gases, aerosols, liquids and solids</b>			
H220	<b>Extremely flammable gas</b>	Flammable gases (chapter 2.2)	1
H221	<b>Flammable gas</b>	Flammable gases (chapter 2.2)	2
H222	<b>Extremely flammable aerosol</b>	Aerosols (chapter 2.3)	1
H223	<b>Flammable aerosol</b>	Aerosols (chapter 2.3)	2
H224	<b>Extremely flammable liquid and vapour</b>	Flammable liquids (chapter 2.6)	1
H225	<b>Highly flammable liquid and vapour</b>	Flammable liquids (chapter 2.6)	2
H226	<b>Flammable liquid and vapour</b>	Flammable liquids (chapter 2.6)	3
H227	<b>Combustible liquid</b>	Flammable liquids (chapter 2.6)	4
H228	<b>Flammable solid</b>	Flammable solids (chapter 2.7)	1, 2
H229	<b>Pressurized container: may burst if heated</b>	Aerosols (chapter 2.3)	1, 2, 3
<b>Chemically unstable gases</b>			
H230	<b>May react explosively even in the absence of air</b>	Flammable gases (chapter 2.2)	A (Chemically unstable gases)
H231	<b>May react explosively even in the absence of air at elevated pressure and/or temperature</b>	Flammable gases (chapter 2.2)	B (Chemically unstable gases)
H232	<b>May ignite spontaneously if exposed to air</b>	Flammable gases (chapter 2.2)	Pyrophoric gas
<b>Self-reactive substances and mixtures</b>			
H240	<b>Heating may cause an explosion</b>	Self-reactive substances and mixtures (chapter 2.8); and Organic peroxides (chapter 2.15)	Type A
H241	<b>Heating may cause a fire or explosion</b>	Self-reactive substances and mixtures (chapter 2.8); and Organic peroxides (chapter 2.15)	Type B

<b>Code</b>	<b>Physical hazard statements</b>	<b>Hazard class (GHS chapter)</b>	<b>Hazard category</b>
<b>(1)</b>	<b>(2)</b>	<b>(3)</b>	<b>(4)</b>
H242	<b>Heating may cause a fire</b>	Self-reactive substances and mixtures (chapter 2.8); and Organic peroxides (chapter 2.15)	Types C, D, E, F
H250	<b>Catches fire spontaneously if exposed to air</b>	Pyrophoric liquids (chapter 2.9); Pyrophoric solids (chapter 2.10)	1
H251	<b>Self-heating; may catch fire</b>	Self-heating substances and mixtures (chapter 2.11)	1
H252	<b>Self-heating in large quantities; may catch fire</b>	Self-heating substances and mixtures (chapter 2.11)	2
H260	<b>In contact with water releases flammable gases which may ignite spontaneously</b>	Substances and mixtures which, in contact with water, emit flammable gases (chapter 2.12)	1
H261	<b>In contact with water releases flammable gas</b>	Substances and mixtures which, in contact with water, emit flammable gases (chapter 2.12)	2, 3
H270	<b>May cause or intensify fire; oxidizer</b>	Oxidizing gases (chapter 2.4)	1
H271	<b>May cause fire or explosion; strong oxidizer</b>	Oxidizing liquids (chapter 2.13); Oxidizing solids (chapter 2.14)	1
H272	<b>May intensify fire; oxidizer</b>	Oxidizing liquids (chapter 2.13); Oxidizing solids (chapter 2.14)	2, 3
H280	<b>Contains gas under pressure; may explode if heated</b>	Gases under pressure (chapter 2.5)	Compressed gas Liquefied gas Dissolved gas
H281	<b>Contains refrigerated gas; may cause cryogenic burns or injury</b>	Gases under pressure (chapter 2.5)	Refrigerated liquefied gas
H290	<b>May be corrosive to metals</b>	Corrosive to metals (chapter 2.16)	1

Table A3.1.2: Hazard statement codes for health hazards

Code (1)	Health hazard statements (2)	Hazard class (GHS chapter) (3)	Hazard category (4)
H300	<b>Fatal if swallowed</b>	Acute toxicity, oral (chapter 3.1)	1, 2
H301	<b>Toxic if swallowed</b>	Acute toxicity, oral (chapter 3.1)	3
H302	<b>Harmful if swallowed</b>	Acute toxicity, oral (chapter 3.1)	4
H303	<b>May be harmful if swallowed</b>	Acute toxicity, oral (chapter 3.1)	5
H304	<b>May be fatal if swallowed and enters airways</b>	Aspiration hazard (chapter 3.10)	1
H305	<b>May be harmful if swallowed and enters airways</b>	Aspiration hazard (chapter 3.10)	2
H310	<b>Fatal in contact with skin</b>	Acute toxicity, dermal (chapter 3.1)	1, 2
H311	<b>Toxic in contact with skin</b>	Acute toxicity, dermal (chapter 3.1)	3
H312	<b>Harmful in contact with skin</b>	Acute toxicity, dermal (chapter 3.1)	4
H313	<b>May be harmful in contact with skin</b>	Acute toxicity, dermal (chapter 3.1)	5
H314	<b>Causes severe skin burns and eye damage</b>	Skin corrosion/irritation (chapter 3.2)	1A, 1B, 1C
H315	<b>Causes skin irritation</b>	Skin corrosion/irritation (chapter 3.2)	2
H316	<b>Causes mild skin irritation</b>	Skin corrosion/irritation (chapter 3.2)	3
H317	<b>May cause an allergic skin reaction</b>	Sensitisation, skin (chapter 3.4)	1, 1A, 1B
H318	<b>Causes serious eye damage</b>	Serious eye damage/eye irritation (chapter 3.3)	1
H319	<b>Causes serious eye irritation</b>	Serious eye damage/eye irritation (chapter 3.3)	2A
H320	<b>Causes eye irritation</b>	Serious eye damage/eye irritation (chapter 3.3)	2B
H330	<b>Fatal if inhaled</b>	Acute toxicity, inhalation (chapter 3.1)	1, 2
H331	<b>Toxic if inhaled</b>	Acute toxicity, inhalation (chapter 3.1)	3
H332	<b>Harmful if inhaled</b>	Acute toxicity, inhalation (chapter 3.1)	4
H333	<b>May be harmful if inhaled</b>	Acute toxicity, inhalation (chapter 3.1)	5
H334	<b>May cause allergy or asthma symptoms or breathing difficulties if inhaled</b>	Sensitisation, respiratory (chapter 3.4)	1, 1A, 1B
H335	<b>May cause respiratory irritation</b>	Specific target organ toxicity, single exposure; Respiratory tract irritation (chapter 3.8);	3
H336	<b>May cause drowsiness or dizziness</b>	Specific target organ toxicity, single exposure; Narcotic effects (chapter 3.8)	3
H340	<b>May cause genetic defects</b> ( <i>state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard</i> )	Germ cell mutagenicity (chapter 3.5)	1A, 1B
H341	<b>Suspected of causing genetic defects</b> ( <i>state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard</i> )	Germ cell mutagenicity (chapter 3.5)	2
H350	<b>May cause cancer</b> ( <i>state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard</i> )	Carcinogenicity (chapter 3.6)	1A, 1B

<b>Code</b> <b>(1)</b>	<b>Health hazard statements</b> <b>(2)</b>	<b>Hazard class (GHS chapter)</b> <b>(3)</b>	<b>Hazard category</b> <b>(4)</b>
H351	<b>Suspected of causing cancer</b> ( <i>state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard</i> )	Carcinogenicity (chapter 3.6)	2
H360	<b>May damage fertility or the unborn child</b> ( <i>state specific effect if known</i> )( <i>state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard</i> )	Reproductive toxicity (chapter 3.7)	1A, 1B
H361	<b>Suspected of damaging fertility or the unborn child</b> ( <i>state specific effect if known</i> )( <i>state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard</i> )	Reproductive toxicity (chapter 3.7)	2
H362	<b>May cause harm to breast-fed children</b>	Reproductive toxicity, effects on or via lactation (chapter 3.7)	Additional category
H370	<b>Causes damage to organs</b> ( <i>or state all organs affected, if known</i> ) ( <i>state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard</i> )	Specific target organ toxicity, single exposure (chapter 3.8)	1
H371	<b>May cause damage to organs</b> ( <i>or state all organs affected, if known</i> )( <i>state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard</i> )	Specific target organ toxicity, single exposure (chapter 3.8)	2
H372	<b>Causes damage to organs</b> ( <i>state all organs affected, if known</i> ) <b>through prolonged or repeated exposure</b> ( <i>state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard</i> )	Specific target organ toxicity, repeated exposure (chapter 3.9)	1
H373	<b>May cause damage to organs</b> ( <i>state all organs affected, if known</i> ) <b>through prolonged or repeated exposure</b> ( <i>state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard</i> )	Specific target organ toxicity, repeated exposure (chapter 3.9)	2
H300 + H310	<b>Fatal if swallowed or in contact with skin</b>	Acute toxicity, oral (chapter 3.1) and acute toxicity dermal (chapter 3.1)	1, 2
H300 + H330	<b>Fatal if swallowed or if inhaled</b>	Acute toxicity, oral (chapter 3.1) and acute toxicity, inhalation (chapter 3.1)	1, 2
H310 + H330	<b>Fatal in contact with skin or if inhaled</b>	Acute toxicity, dermal (chapter 3.1) and acute toxicity, inhalation (chapter 3.1)	1, 2
H300 + H310 + H330	<b>Fatal if swallowed, in contact with skin or if inhaled</b>	Acute toxicity, oral (chapter 3.1), acute toxicity, dermal (chapter 3.1) and acute toxicity, inhalation (chapter 3.1)	1, 2
H301 + H311	<b>Toxic if swallowed or in contact with skin</b>	Acute toxicity, oral (chapter 3.1) and acute toxicity dermal (chapter 3.1)	3

<b>Code (1)</b>	<b>Health hazard statements (2)</b>	<b>Hazard class (GHS chapter) (3)</b>	<b>Hazard category (4)</b>
H301 + H331	<b>Toxic if swallowed or if inhaled</b>	Acute toxicity, oral (chapter 3.1) and acute toxicity, inhalation (chapter 3.1)	3
H311 + H331	<b>Toxic in contact with skin or if inhaled</b>	Acute toxicity, dermal (chapter 3.1) and acute toxicity, inhalation (chapter 3.1)	3
H301 + H311 + H331	<b>Toxic if swallowed, in contact with skin or if inhaled</b>	Acute toxicity, oral (chapter 3.1), acute toxicity, dermal (chapter 3.1) and acute toxicity, inhalation (chapter 3.1)	3
<hr/>			
H302 + H312	<b>Harmful if swallowed or in contact with skin</b>	Acute toxicity, oral (chapter 3.1) and acute toxicity dermal (chapter 3.1)	4
H302 + H332	<b>Harmful if swallowed or if inhaled</b>	Acute toxicity, oral (chapter 3.1) and acute toxicity, inhalation (chapter 3.1)	4
H312 + H332	<b>Harmful in contact with skin or if inhaled</b>	Acute toxicity, dermal (chapter 3.1) and acute toxicity, inhalation (chapter 3.1)	4
H302 + H312 + H332	<b>Harmful if swallowed, in contact with skin or if inhaled</b>	Acute toxicity, oral (chapter 3.1), acute toxicity, dermal (chapter 3.1) and acute toxicity, inhalation (chapter 3.1)	4
H303 + H313	<b>May be harmful if swallowed or in contact with skin</b>	Acute toxicity, oral (chapter 3.1) and acute toxicity dermal (chapter 3.1)	5
H303 + H333	<b>May be harmful if swallowed or if inhaled</b>	Acute toxicity, oral (chapter 3.1) and acute toxicity, inhalation (chapter 3.1)	5
H313 + H333	<b>May be harmful in contact with skin or if inhaled</b>	Acute toxicity, dermal (chapter 3.1) and acute toxicity, inhalation (chapter 3.1)	5
H303 + H313 + H333	<b>May be harmful if swallowed, in contact with skin or if inhaled</b>	Acute toxicity, oral (chapter 3.1), acute toxicity, dermal (chapter 3.1) and acute toxicity, inhalation (chapter 3.1)	5
<hr/>			
H315 + H320	<b>Causes skin and eye irritation</b>	Skin corrosion/irritation (chapter 3.2) and serious eye damage/eye irritation (chapter 3.3)	2 (skin)/2B (eye)



**Table A3.1.3: Hazard statement codes for environmental hazards**

<b>Code (1)</b>	<b>Environmental hazard statements (2)</b>	<b>Hazard class (GHS chapter) (3)</b>	<b>Hazard category (4)</b>
H400	<b>Very toxic to aquatic life</b>	Hazardous to the aquatic environment, acute hazard (chapter 4.1)	1
H401	<b>Toxic to aquatic life</b>	Hazardous to the aquatic environment, acute hazard (chapter 4.1)	2
H402	<b>Harmful to aquatic life</b>	Hazardous to the aquatic environment, acute hazard (chapter 4.1)	3
<b>Very toxic to aquatic life with long lasting effects</b>			
H410	<b>Very toxic to aquatic life with long lasting effects</b>	Hazardous to the aquatic environment, long-term hazard (chapter 4.1)	1
H411	<b>Toxic to aquatic life with long lasting effects</b>	Hazardous to the aquatic environment, long-term hazard (chapter 4.1)	2
H412	<b>Harmful to aquatic life with long lasting effects</b>	Hazardous to the aquatic environment, long-term hazard (chapter 4.1)	3
H413	<b>May cause long lasting harmful effects to aquatic life</b>	Hazardous to the aquatic environment, long-term hazard (chapter 4.1)	4
<b>Harms public health and the environment by destroying ozone in the upper atmosphere</b>			
H420	<b>Harms public health and the environment by destroying ozone in the upper atmosphere</b>	Hazardous to the ozone layer (chapter 4.2)	1



## Annex 3

### Section 2

## CODIFICATION 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 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**. For guidance on the use of GHS precautionary statements, including advice on the selection of the appropriate statements for each GHS hazard class and category, see section 3 to this annex.

A3.2.1.3 This section contains the recommended codes for each of the precautionary statement included in this annex.

### A3.2.2 Codification of precautionary statements

A3.2.2.1 Precautionary statements are assigned a unique alphanumerical 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 codification tables

A3.2.3.1 Each 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;   |

A3.2.3.2 The tables show the **core part of the precautionary statements in bold print** in column (2). 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.

A3.2.3.3 When a forward slash or diagonal mark [/] appears in a precautionary statement text in column (2), 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 in P280 “**Wear protective gloves/protective clothing/eye protection/face protection**” could read “**wear eye protection**” or “**wear eye and face protection**”.

A3.2.3.4 When three full stops [...] appears in a precautionary statement text in column (2), 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). In such cases the manufacturer or supplier can choose, or the competent authorities may prescribe the other conditions to be specified.

A3.2.3.5 In cases where additional information is required or information has to be specified, this is indicated by a relevant entry in column (5) in plain text.

A3.2.3.6 When *text in italics* is used in column (5), 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, for P241 “**Use explosion-proof [electrical/ventilating/lighting/...]equipment**”, only applies for flammable solids “*if dust clouds can occur*”.

A3.2.3.7 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.**”

A3.2.3.8 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. 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 additive 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 additive precautionary statements.

**Table A3.2.1: Codification of general precautionary statements**

Code (1)	General precautionary statements (2)	Hazard class (3)	Hazard category (4)	Conditions for use (5)
P101	<b>If medical advice is needed, have product container or label at hand.</b>	as appropriate		Consumer products
P102	<b>Keep out of reach of children.</b>	as appropriate		Consumer products
P103	<b>Read label before use.</b>	as appropriate		Consumer products

**Table A3.2.2: Codification of prevention precautionary statements**

Code (1)	Prevention precautionary statements (2)	Hazard class (3)	Hazard category (4)	Conditions for use (5)
P201	<b>Obtain special instructions before use.</b>	Explosives (chapter 2.1)	Unstable explosive	
		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	
P202	<b>Do not handle until all safety precautions have been read and understood.</b>	Flammable gases (chapter 2.2)	A, B (chemically unstable gases)	
		Germ cell mutagenicity (chapter 3.5)	1A, 1B, 2	
		Carcinogenicity (chapter 3.6)	1A, 1B, 2	
		Reproductive toxicity (chapter 3.7)	1A, 1B, 2	

Code (1)	Prevention precautionary statements (2)	Hazard class (3)	Hazard category (4)	Conditions for use (5)
P210	<b>Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.</b>	Explosives (chapter 2.1)	Divisions 1.1, 1.2, 1.3, 1.4, 1.5	
		Flammable gases (chapter 2.2)	1, 2	
		Aerosols (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	
		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	<b>Do not spray on an open flame or other ignition source.</b>	Aerosols (chapter 2.3)	1, 2	
P212	<b>Avoid heating under confinement or reduction of the desensitized agent</b>	Desensitized explosives (chapter 2.17)	1, 2, 3, 4	
P220	<b>Keep away from clothing and other combustible materials.</b>	Oxidizing gases (chapter 2.4)	1	
		Oxidizing liquids (chapter 2.13)	1, 2, 3	
		Oxidizing solids (chapter 2.14)	1, 2, 3	
P222	<b>Do not allow contact with air.</b>	Flammable gases (chapter 2.2)	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	<b>Do not allow contact with water.</b>	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>

Code (1)	Prevention precautionary statements (2)	Hazard class (3)	Hazard category (4)	Conditions for use (5)
P230	<b>Keep wetted with ...</b>	Explosives (chapter 2.1)	Divisions 1.1, 1.2, 1.3, 1.5	– <i>for substances and mixtures which are wetted, diluted, dissolved or suspended with a phlegmatizer in order to suppress their explosive properties</i> ...Manufacturer/supplier or the 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.
P231	<b>Handle and store contents under inert gas/...</b>	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	– <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.
P232	<b>Protect from moisture.</b>	Substances and mixtures which, in contact with water, emit flammable gases (chapter 2.12)	1, 2, 3	
P233	<b>Keep container tightly closed.</b>	Flammable liquids (chapter 2.6)	1, 2, 3	– <i>if the liquid is volatile and may generate an explosive atmosphere.</i>
		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	– <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	
P234	<b>Keep only in original packaging.</b>	Explosives (chapter 2.1)	Divisions 1.1, 1.2, 1.3, 1.4, 1.5	
		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	

Code (1)	Prevention precautionary statements (2)	Hazard class (3)	Hazard category (4)	Conditions for use (5)
P235	<b>Keep cool.</b>	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.
P240	<b>Ground and bond container and receiving equipment.</b>	Explosives (chapter 2.1)	Divisions 1.1, 1.2, 1.3, 1.4, 1.5	– 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	<b>Use explosion-proof [electrical/ventilating/lighting/...] equipment.</b>	Flammable liquids (chapter 2.6)	1, 2, 3	– 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	– 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.



Code (1)	Prevention precautionary statements (2)	Hazard class (3)	Hazard category (4)	Conditions for use (5)
P242	<b>Use non-sparking tools.</b>	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 <0.1mJ, e.g. carbon disulphide).
P243	<b>Take action to prevent static discharges.</b>	Flammable liquids (chapter 2.6)	1, 2, 3	– if the liquid is volatile and may generate an explosive atmosphere. – may be omitted where local or national legislation introduces more specific provisions.
P244	<b>Keep valves and fittings free from oil and grease.</b>	Oxidizing gases (chapter 2.4)	1	
P250	<b>Do not subject to grinding/shock/friction/....</b>	Explosives (chapter 2.1)	Unstable explosive and divisions 1.1, 1.2, 1.3, 1.4, 1.5	– if the explosive is mechanically sensitive ...Manufacturer/supplier or the competent authority to specify applicable rough handling.
P251	<b>Do not pierce or burn, even after use.</b>	Aerosols (chapter 2.3)	1, 2, 3	
P260	<b>Do not breathe dust/fume/gas/mist/vapours/spray.</b>	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)	1A, 1B, 1C	– specify do not breathe dusts or mists – if inhalable particles of dusts or mists may occur during use.
		Reproductive toxicity – effects on or via lactation (chapter 3.7)	Additional category	
P261	<b>Avoid breathing dust/fume/gas/mist/vapours/spray.</b>	Acute toxicity – inhalation (chapter 3.1)	3, 4	– may be omitted if P260 is given on the label. 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	<b>Do not get in eyes, on skin, or on clothing.</b>	Acute toxicity – dermal (chapter 3.1)	1, 2	

Code (1)	Prevention precautionary statements (2)	Hazard class (3)	Hazard category (4)	Conditions for use (5)
P263	<b>Avoid contact during pregnancy and while nursing.</b>	Reproductive toxicity – effects on or via lactation (chapter 3.7)	Additional category	
P264	<b>Wash ... thoroughly after handling.</b>	Acute toxicity – oral (chapter 3.1)	1, 2, 3, 4	...Manufacturer/supplier or the competent authority to specify parts of the body to be washed after handling.
		Acute toxicity – dermal (chapter 3.1)	1, 2	
		Skin corrosion (chapter 3.2)	1A, 1B, 1C	
		Skin irritation (chapter 3.2)	2	
		Eye irritation (chapter 3.3)	2A, 2B	...Manufacturer/supplier or the competent authority to specify parts of the body to be washed after handling.
		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	
P270	<b>Do not eat, drink or smoke when using this product.</b>	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	<b>Use only outdoors or in a well-ventilated area.</b>	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	<b>Contaminated work clothing should not be allowed out of the workplace.</b>	Skin sensitization (chapter 3.4)	1, 1A, 1B	
P273	<b>Avoid release to the environment.</b>	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	Prevention precautionary statements	Hazard class	Hazard category	Conditions for use
(1)	(2)	(3)	(4)	(5)
P280	<b>Wear protective gloves/protective clothing/eye protection/face protection.</b>	Explosives (chapter 2.1)	Unstable explosive and divisions 1.1, 1.2, 1.3, 1.4, 1.5	Manufacturer/supplier or the competent authority to specify the appropriate type of equipment.
		Flammable gases (chapter 2.2)	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)	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 eye/face protection.</i>		
Eye irritation (chapter 3.3)	2A	Manufacturer/supplier or the competent authority may further specify type of equipment where appropriate.		
Germ cell mutagenicity (chapter 3.5)	1A, 1B, 2	Manufacturer/supplier or the competent authority to specify the appropriate type of equipment.		
Carcinogenicity (chapter 3.6)	1A, 1B, 2			
Reproductive toxicity (chapter 3.7)	1A, 1B, 2			

Code (1)	Prevention precautionary statements (2)	Hazard class (3)	Hazard category (4)	Conditions for use (5)
P282	<b>Wear cold insulating gloves and either face shield or eye protection.</b>	Gases under pressure (chapter 2.5)	Refrigerated liquefied gas	
P283	<b>Wear fire resistant or flame retardant clothing.</b>	Oxidizing liquids (chapter 2.13)	1	
		Oxidizing solids (chapter 2.14)	1	
P284	<b>[In case of inadequate ventilation] wear respiratory protection.</b>	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	<b>Handle and store contents under inert gas/... Protect from moisture.</b>	Pyrophoric liquids (chapter 2.9)	1	...Manufacturer/supplier or the competent authority to specify appropriate liquid or gas if “inert gas” is not appropriate.  – <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.
		Pyrophoric solids (chapter 2.10)	1	
		Substances and mixtures which, in contact with water, emit flammable gases (chapter 2.12)	1, 2, 3	

**Table A3.2.3: Codification of response precautionary statements**

<b>Code (1)</b>	<b>Response precautionary statements (2)</b>	<b>Hazard class (3)</b>	<b>Hazard category (4)</b>	<b>Conditions for use (5)</b>
P301	<b>IF SWALLOWED:</b>	Acute toxicity, oral (chapter 3.1)	1, 2, 3, 4	
		Skin corrosion (chapter 3.2)	1A, 1B, 1C	
		Aspiration hazard (chapter 3.10)	1, 2	
P302	<b>IF ON SKIN:</b>	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	
		Skin irritation (chapter 3.2)	2	
		Skin sensitization (chapter 3.4)	1, 1A, 1B	
P303	<b>IF ON SKIN (or hair):</b>	Flammable liquids (chapter 2.6)	1, 2, 3	
		Skin corrosion (chapter 3.2)	1A, 1B, 1C	
P304	<b>IF INHALED:</b>	Acute toxicity, inhalation (chapter 3.1)	1, 2, 3, 4, 5	
		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	
P305	<b>IF IN EYES:</b>	Skin corrosion (chapter 3.2)	1A, 1B, 1C	
		Serious eye damage (chapter 3.3)	1	
		Eye irritation (chapter 3.3)	2A, 2B	
P306	<b>IF ON CLOTHING:</b>	Oxidizing liquids (chapter 2.13)	1	
		Oxidizing solids (chapter 2.14)	1	
P308	<b>IF exposed or concerned:</b>	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	

<b>Code (1)</b>	<b>Response precautionary statements (2)</b>	<b>Hazard class (3)</b>	<b>Hazard category (4)</b>	<b>Conditions for use (5)</b>
P310	<b>Immediately call a POISON CENTER/doctor/...</b>	Acute toxicity, oral (chapter 3.1)	1, 2, 3	...Manufacturer/supplier or the competent authority to specify the appropriate source of emergency medical advice.
		Acute toxicity, dermal (chapter 3.1)	1, 2	
		Acute toxicity, inhalation (chapter 3.1)	1, 2	
		Skin corrosion (chapter 3.2)	1A, 1B, 1C	
		Serious eye damage (chapter 3.3)	1	
		Aspiration hazard (chapter 3.10)	1, 2	
P311	<b>Call a POISON CENTER/doctor/...</b>	Acute toxicity, inhalation (chapter 3.1)	3	...Manufacturer/supplier or the competent authority to specify the appropriate source of emergency medical advice.
		Respiratory sensitization (chapter 3.4)	1, 1A, 1B	
		Specific target organ toxicity, single exposure (chapter 3.8)	1, 2	
P312	<b>Call a POISON CENTER/doctor/...if you feel unwell.</b>	Acute toxicity, oral (chapter 3.1)	4	...Manufacturer/supplier or the competent authority to specify the appropriate source of emergency medical advice.
		Acute toxicity, oral (chapter 3.1)	5	
		Acute toxicity, dermal (chapter 3.1)	3, 4, 5	
		Acute toxicity, inhalation (chapter 3.1)	4	
		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	
P313	<b>Get medical advice/attention.</b>	Skin irritation (chapter 3.2)	2, 3	Manufacturer/supplier or the competent authority to select medical advice or attention as appropriate.
		Eye irritation (chapter 3.3)	2A, 2B	
		Skin sensitization (chapter 3.4)	1, 1A, 1B	
		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	
P314	<b>Get medical advice/attention if you feel unwell.</b>	Specific target organ toxicity, repeated exposure (chapter 3.9)	1, 2	Manufacturer/supplier or the competent authority to select medical advice or attention as appropriate.
P315	<b>Get immediate medical advice/attention.</b>	Gases under pressure (chapter 2.5)	Refrigerated liquefied gas	Manufacturer/supplier or the competent authority to select medical advice or attention as appropriate.

Code (1)	Response precautionary statements (2)	Hazard class (3)	Hazard category (4)	Conditions for use (5)
P320	<b>Specific treatment is urgent (see ... on this label).</b>	Acute toxicity, inhalation (chapter 3.1)	1, 2	– if immediate administration of antidote is required. ...Reference to supplemental first aid instruction.
P321	<b>Specific treatment (see ... on this label).</b>	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)	1A, 1B, 1C	...Reference to supplemental first aid instruction.
		Skin irritation (chapter 3.2)	2	...Reference to supplemental first aid instruction.
		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	<b>Rinse mouth.</b>	Acute toxicity, oral (chapter 3.1)	1, 2, 3, 4	
		Skin corrosion (chapter 3.2)	1A, 1B, 1C	
P331	<b>Do NOT induce vomiting.</b>	Skin corrosion (chapter 3.2)	1A, 1B, 1C	
		Aspiration hazard (chapter 3.10)	1, 2	
P332	<b>If skin irritation occurs:</b>	Skin irritation (chapter 3.2)	2, 3	
P333	<b>If skin irritation or rash occurs:</b>	Skin sensitization (chapter 3.4)	1, 1A, 1B	
P334	<b>Immerse in cool water [or wrap in wet bandages].</b>	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	<b>Brush off loose particles from skin.</b>	Pyrophoric solids (chapter 2.10)	1	
		Substances and mixtures which, in contact with water, emit flammable gases (chapter 2.12)	1, 2	
P336	<b>Thaw frosted parts with lukewarm water. Do not rub affected area.</b>	Gases under pressure (chapter 2.5)	Refrigerated liquefied gas	
P337	<b>If eye irritation persists:</b>	Eye irritation (chapter 3.3)	2A, 2B	
P338	<b>Remove contact lenses, if present and easy to do. Continue rinsing.</b>	Skin corrosion (chapter 3.2)	1A, 1B, 1C	
		Serious eye damage (chapter 3.3)	1	
		Eye irritation (chapter 3.3)	2A, 2B	

Code (1)	Response precautionary statements (2)	Hazard class (3)	Hazard category (4)	Conditions for use (5)
P340	<b>Remove person to fresh air and keep comfortable for breathing.</b>	Acute toxicity, inhalation (chapter 3.1)	1, 2, 3, 4	
		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	
P342	<b>If experiencing respiratory symptoms:</b>	Respiratory sensitization (chapter 3.4)	1, 1A, 1B	
P351	<b>Rinse cautiously with water for several minutes.</b>	Skin corrosion (chapter 3.2)	1A, 1B, 1C	
		Serious eye damage (chapter 3.3)	1	
		Eye irritation (chapter 3.3)	2A, 2B	
P352	<b>Wash with plenty of water/...</b>	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	<b>Rinse skin with water [or shower].</b>	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>
		Skin corrosion (chapter 3.2)	1A, 1B, 1C	
P360	<b>Rinse immediately contaminated clothing and skin with plenty of water before removing clothes.</b>	Oxidizing liquids (chapter 2.13)	1	
		Oxidizing solids (chapter 2.14)	1	
P361	<b>Take off immediately all contaminated clothing.</b>	Flammable liquids (chapter 2.6)	1, 2, 3	
		Acute toxicity, dermal (chapter 3.1)	1, 2, 3	
		Skin corrosion (chapter 3.2)	1A, 1B, 1C	
P362	<b>Take off contaminated clothing.</b>	Acute toxicity, dermal (chapter 3.1)	4	
		Skin irritation (chapter 3.2)	2	
		Skin sensitization (chapter 3.4)	1, 1A, 1B	
P363	<b>Wash contaminated clothing before reuse.</b>	Skin corrosion (chapter 3.2)	1A, 1B, 1C	
P364	<b>And wash it before reuse.</b>	Acute toxicity, dermal (chapter 3.1)	1, 2, 3, 4	
		Skin irritation (chapter 3.2)	2	
		Skin sensitization (chapter 3.4)	1, 1A, 1B	



Code (1)	Response precautionary statements (2)	Hazard class (3)	Hazard category (4)	Conditions for use (5)
P370	<b>In case of fire:</b>	Explosives (chapter 2.1)	Unstable explosive and divisions 1.1, 1.2, 1.3, 1.4, 1.5	
		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	<b>In case of major fire and large quantities:</b>	Oxidizing liquids (chapter 2.13)
Oxidizing solids (chapter 2.14)	1			
Desensitized explosives (chapter 2.17)	4			
P372	<b>Explosion risk.</b>	Explosives (chapter 2.1)	Unstable explosive and Divisions 1.1, 1.2, 1.3, and 1.5	
			Division 1.4	– <i>except for explosives of division 1.4 (compatibility group S) in transport packaging.</i>
		Self-reactive substances and mixtures (chapter 2.8)	Type A	
		Organic peroxides (chapter 2.15)	Type A	
P373	<b>DO NOT fight fire when fire reaches explosives.</b>	Explosives (chapter 2.1)	Unstable explosive and Divisions 1.1, 1.2, 1.3, and 1.5	
			Division 1.4	– <i>except for explosives of division 1.4 (compatibility group S) in transport packaging.</i>
		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	<b>Fight fire remotely due to the risk of explosion.</b>	Explosives (chapter 2.1)	Division 1.4	<i>– for explosives of division 1.4 (compatibility group S) in transport packaging.</i>
		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	
P376	<b>Stop leak if safe to do so.</b>	Oxidizing gases (chapter 2.4)	1	
P377	<b>Leaking gas fire: Do not extinguish, unless leak can be stopped safely.</b>	Flammable gases (chapter 2.2)	1, 2	
P378	<b>Use ... to extinguish.</b>	Flammable liquids (chapter 2.6)	1, 2, 3, 4	<i>– if water increases risk.</i> ... Manufacturer/supplier or the competent authority to specify appropriate media.
		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	<b>Evacuate area.</b>	Explosives (chapter 2.1)	Unstable explosive and Divisions 1.1, 1.2, 1.3, 1.4, 1.5	
		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	
P381	<b>In case of leakage, eliminate all ignition sources.</b>	Flammable gases (chapter 2.2)	1, 2	
P390	<b>Absorb spillage to prevent material-damage.</b>	Corrosive to metals (chapter 2.16)	1	
P391	<b>Collect spillage.</b>	Hazardous to the aquatic environment, acute hazard (chapter 4.1)	1	
		Hazardous to the aquatic environment, long-term hazard (chapter 4.1)	1, 2	

Code (1)	Response precautionary statements (2)	Hazard class (3)	Hazard category (4)	Conditions for use (5)
P301 + P310	<b>IF SWALLOWED: Immediately call a POISON CENTER/doctor/...</b>	Acute toxicity, oral (chapter 3.1)	1, 2, 3	...Manufacturer/supplier or the competent authority to specify the appropriate source of emergency medical advice.
		Aspiration hazard (chapter 3.10)	1, 2	
P301 + P312	<b>IF SWALLOWED: Call a POISON CENTER/doctor/...if you feel unwell.</b>	Acute toxicity, oral (chapter 3.1)	4	...Manufacturer/supplier or the competent authority to specify the appropriate source of emergency medical advice.
P302 + P334	<b>IF ON SKIN: Immerse in cool water [or wrap in wet bandages].</b>	Pyrophoric liquids (chapter 2.9)	1	– <i>text in square brackets to be used for pyrophoric liquids.</i>
P302 + P352	<b>IF ON SKIN: Wash with plenty of water/...</b>	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 + P312	<b>IF INHALED: Call a POISON CENTER/doctor/...if you feel unwell.</b>	Acute toxicity, inhalation (chapter 3.1)	5	...Manufacturer/supplier or the competent authority to specify the appropriate source of emergency medical advice.
P304 + P340	<b>IF INHALED: Remove person to fresh air and keep comfortable for breathing.</b>	Acute toxicity, inhalation (chapter 3.1)	1, 2, 3, 4	
		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	
P306 + P360	<b>IF ON CLOTHING: Rinse immediately contaminated clothing and skin with plenty of water before removing clothes.</b>	Oxidizing liquids (chapter 2.13)	1	
		Oxidizing solids (chapter 2.14)	1	
P308 + P311	<b>IF exposed or concerned: Call a POISON CENTER/doctor/...</b>	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.
P308 + P313	<b>IF exposed or concerned: Get medical advice/attention.</b>	Germ cell mutagenicity (chapter 3.5)	1A, 1B, 2	Manufacturer/supplier or the competent authority to select medical advice or attention as appropriate.
		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	

Code (1)	Response precautionary statements (2)	Hazard class (3)	Hazard category (4)	Conditions for use (5)
P332 + P313	<b>If skin irritation occurs: Get medical advice/attention.</b>	Skin irritation (chapter 3.2)	2, 3	– <i>may be omitted when P333+P313 is given on the label.</i> Manufacturer/supplier or the competent authority to select medical advice or attention as appropriate.
P333 + P313	<b>If skin irritation or rash occurs: Get medical advice/attention.</b>	Skin sensitization (chapter 3.4)	1, 1A, 1B	Manufacturer/supplier or the competent authority to select medical advice or attention as appropriate.
P336 + P315	<b>Thaw frosted parts with lukewarm water. Do not rub affected area. Get immediate medical advice/attention</b>	Gases under pressure (chapter 2.5)	Refrigerated liquefied gas	Manufacturer/supplier or the competent authority to select medical advice or attention as appropriate.
P337 + P313	<b>If eye irritation persists: Get medical advice/attention.</b>	Eye irritation (chapter 3.3)	2A, 2B	Manufacturer/supplier or the competent authority to select medical advice or attention as appropriate.
P342 + P311	<b>If experiencing respiratory symptoms: Call a POISON CENTER/doctor/...</b>	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	<b>Take off immediately all contaminated clothing and wash it before reuse.</b>	Acute toxicity, dermal (chapter 3.1)	1, 2, 3	
P362 + P364	<b>Take off contaminated clothing and wash it before reuse.</b>	Acute toxicity, dermal (chapter 3.1)	4	
		Skin irritation (chapter 3.2)	2	
		Skin sensitization (chapter 3.4)	1, 1A, 1B	
P370 + P376	<b>In case of fire: Stop leak if safe to do so.</b>	Oxidizing gases (chapter 2.4)	1	
P370 + P378	<b>In case of fire: Use ... to extinguish.</b>	Flammable liquids (chapter 2.6)	1, 2, 3, 4	– <i>if water increases risk.</i> ... Manufacturer/supplier or the competent authority to specify appropriate media.
		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		

Code (1)	Response precautionary statements (2)	Hazard class (3)	Hazard category (4)	Conditions for use (5)
P301 + P330 + P331	<b>IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.</b>	Skin corrosion (chapter 3.2)	1A, 1B, 1C	
P302 + P335 + P334	<b>IF ON SKIN: Brush off loose particles from skin. Immerse in cool water [or wrap in wet bandages].</b>	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>
P303 + P361 + P353	<b>IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].</b>	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>
		Skin corrosion (chapter 3.2)	1A, 1B, 1C	
P305 + P351 + P338	<b>IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.</b>	Skin corrosion (chapter 3.2)	1A, 1B, 1C	
		Serious eye damage (chapter 3.3)	1	
		Eye irritation (chapter 3.3)	2A, 2B	
P370 + P380 + P375	<b>In case of fire: Evacuate area. Fight fire remotely due to the risk of explosion.</b>	Explosives (chapter 2.1)	Division 1.4	<i>– for explosives of division 1.4 (compatibility group S) in transport packaging</i>
		Desensitized explosives (chapter 2.17)	1, 2, 3	
P371 + P380 + P375	<b>In case of major fire and large quantities: Evacuate area. Fight fire remotely due to the risk of explosion.</b>	Oxidizing liquids (chapter 2.13)	1	
		Oxidizing solids (chapter 2.14)	1	
		Desensitized explosives (chapter 2.17)	4	
P370 + P372 + P380 + P373	<b>In case of fire: Explosion risk. Evacuate area. DO NOT fight fire when fire reaches explosives.</b>	Explosives (chapter 2.1)	Unstable explosives and divisions 1.1, 1.2, 1.3, 1.5	
			Division 1.4	
		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)
P370 + P380 + P375 [+ P378]	<b>In case of fire: Evacuate area. Fight fire remotely due to the risk of explosion. [Use...to extinguish].</b>	Self-reactive substances and mixtures (chapter 2.8)	Type B	<i>– text in square brackets to be used if water increases risk.</i>
		Organic peroxides (chapter 2.15)	Type B	... Manufacturer/supplier or the competent authority to specify appropriate media.

Table A3.2.4: Codification of 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)	Unstable explosives and Divisions 1.1, 1.2, 1.3, 1.4, 1.5	... 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)	1, 2		
		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	<b>Store locked up.</b>	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)	1A, 1B, 1C	
		Germ cell mutagenicity (chapter 3.5)	1A, 1B, 2	
		Carcinogenicity (chapter 3.6)	1A, 1B, 2	
		Reproductive toxicity (chapter 3.7)	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	<b>Store in a corrosion resistant/...container with a resistant inner liner.</b>	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	<b>Maintain air gap between stacks or pallets.</b>	Self-heating substances and mixtures (chapter 2.11)	1, 2	
P410	<b>Protect from sunlight.</b>	Aerosols (chapter 2.3)	1, 2, 3	– <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>
		Gases under pressure (chapter 2.5)	Compressed gas Liquefied gas Dissolved gas	
		Self-heating substances and mixtures (chapter 2.11)	1, 2	
		Organic peroxides (chapter 2.15)	Types A, B, C, D, E, F	



Code (1)	Storage precautionary statements (2)	Hazard class (3)	Hazard category (4)	Conditions for use (5)
P411	<b>Store at temperatures not exceeding ...°C/...°F.</b>	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	<b>Do not expose to temperatures exceeding 50 °C/122 °F.</b>	Aerosols (chapter 2.3)	1, 2, 3	Manufacturer/supplier or the competent authority to use applicable temperature scale.
P413	<b>Store bulk masses greater than ... kg/...lbs at temperatures not exceeding ...°C/...°F.</b>	Self-heating substances and mixtures (chapter 2.11)	1, 2	...Manufacturer/supplier or the competent authority to specify mass and temperature using applicable scale.
P420	<b>Store separately.</b>	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	<b>Store in a dry place. Store in a closed container.</b>	Substances and mixtures which, in contact with water, emit flammable gases (chapter 2.12)	1, 2, 3	
P403 + P233	<b>Store in a well-ventilated place. Keep container tightly closed.</b>	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	<b>Store in a well-ventilated place. Keep cool.</b>	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>

Code (1)	Storage precautionary statements (2)	Hazard class (3)	Hazard category (4)	Conditions for use (5)
P410 + P403	<b>Protect from sunlight. Store in a well-ventilated place.</b>	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 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>
P410 + P412	<b>Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F.</b>	Aerosols (chapter 2.3)	1, 2, 3	Manufacturer/supplier or the competent authority to use applicable temperature scale.

Table A3.2.5: Codification of disposal precautionary statements

Code (1)	Disposal precautionary statements (2)	Hazard class (3)	Hazard category (4)	Conditions for use (5)
P501	<b>Dispose of contents/container to ...</b>	Explosives (chapter 2.1)	Unstable explosives and Divisions 1.1, 1.2, 1.3, 1.4, 1.5	... 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.
		Flammable liquids (chapter 2.6)	1, 2, 3, 4	
		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	

Code (1)	Disposal precautionary statements (2)	Hazard class (3)	Hazard category (4)	Conditions for use (5)
		Acute toxicity, inhalation (chapter 3.1)	1, 2	
<i>P501</i> <i>(cont'd)</i>	<b>Dispose of contents/container to ...</b>	Skin corrosion (chapter 3.2)	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)	1A, 1B, 2	
		Carcinogenicity (chapter 3.6)	1A, 1B, 2	
		Reproductive toxicity (chapter 3.7)	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	
		P502	<b>Refer to manufacturer or supplier for information on recovery or recycling</b>	



## Annex 3

### Section 3

## USE OF PRECAUTIONARY STATEMENTS

#### A3.3.1 Introduction

A3.3.1.1 This section provides guidance on the use of precautionary statements consistent with the GHS, including advice on the selection of appropriate statements for each GHS hazard class and category.

A3.3.1.2 The starting point for assigning precautionary statements is the hazard classification of the chemical product. The system of classifying hazards in the GHS is based on the intrinsic properties of the chemicals involved (see 1.3.2.2.1). In some systems, however, labelling may not be required for chronic hazards on consumer product labels, 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).

A3.3.1.3 The guidance for assigning the phrases in this section has been developed to provide the essential minimum phrases linking precautionary statements with relevant GHS hazard classification criteria and type of hazard.

A3.3.1.4 Existing precautionary statements have been 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.

A3.3.1.5 The goal of this section is to promote a more consistent use of precautionary statements. Their use will reinforce safe handling procedures and will enable the key concepts and approaches to be emphasized in training and education activities.

A3.3.1.6 This section should be seen as a living document and therefore subject to further refinement and development over time. The basic concepts of the matrix and the philosophy given below will remain.

#### A3.3.2 Allocation of precautionary statements

A3.3.2.1 This section sets out a matrix which guides the selection of appropriate precautionary statements. It includes elements for all categories of precautionary action. All specific elements relating to particular hazard classes should be used. General elements not linked in particular to a certain hazard class or category should also be used where relevant.

A3.3.2.2 To provide flexibility in the application of precautionary phrases, a combination of statements is encouraged to save label space and improve their readability. Combination of phrases can also be useful for different types of hazard where the precautionary behaviour is similar, e.g. **“Keep away from heat, sparks and open flame and store in a cool well ventilated place”**.

A3.3.2.3 Precautionary statements should appear on GHS labels 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 Chapter 1.4, para. 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.

#### A3.3.3 General precautionary measures

A3.3.3.1 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 three groups of users or applicators should be taken into account: the general public, the commercial user and the industrial worker.

A3.3.3.2 The presumed observation of precautionary label information, specific safety guidelines, and the safety data sheet for each product before use are part of the labelling requirements and occupational health and safety procedures.

A3.3.3.3 In order to correctly implement precautionary measures concerning prevention, response, storage and disposal, it is also necessary to have information on the composition of products 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.

A3.3.3.4 The following general precautionary statements on the GHS label are appropriate under the given conditions:

General public	GHS label, supplemental label information	<b>P101</b>	<b>If medical advice is needed: Have product container or label at hand</b>
		<b>P102</b>	<b>Keep out of reach of children</b>
		<b>P103</b>	<b>Read label before use</b>
Industrial worker	GHS label, supplemental label information, Safety Data Sheet, workplace instructions		<i>none of the above</i>

### A3.3.4 Structure of the precautionary statements matrix

A3.3.4.1 The tables making up the matrix 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. However, it is not necessary to insist on identical sets of words in all situations. Derogations from the recommended labelling statements are at the discretion of competent authorities. In all cases, clear plain language is essential to convey information on precautionary behaviour.

A3.3.4.2 Text in italics that starts with “– *if*” or “– *specify*” is intended to be an explanatory conditional note for the application of the precautionary statements and is not intended to appear on the label.

A3.3.4.3 When a forward slash or diagonal mark [/] appears in a precautionary statement text, it indicates that a choice needs to be made between the phrases they separate. In such cases, the manufacturer or supplier can choose or competent authorities may prescribe one or more appropriate phrase(s). For example, “**Wear protective gloves/protective clothing/eye protection/face protection**” could read “**Wear eye protection**” or “**Wear eye and face protection**”.

A3.3.4.4 When three full stops [...] appear in a precautionary statement text, they indicate that all applicable conditions are not listed. In such cases the manufacturer or supplier can choose, or the competent authorities may prescribe the other conditions to be specified. For example, in the statement “**Use explosion-proof [electrical/ventilating/lighting/...]equipment**”, the use of “...” indicates that other equipment may need to be specified.

A3.3.4.5 In the majority of cases, the recommended precautionary statements are independent, e.g. the phrases for explosive hazard do not modify those related to certain health hazards and products that are classified for both hazard classes should bear appropriate precautionary statements for both.

A3.3.4.6 Where a substance or mixture is classified for a number of health hazards, generally the most stringent set of precautionary statements should be selected. This applies mainly for the preventive measures. With respect to phrases concerning “Response”, rapid action may be crucial. For example, if a chemical is carcinogenic and acutely toxic then the first aid measures for acute toxicity will take precedence over those for longer term effects. In addition, medical attention to delayed health effects may be required in cases of incidental exposure, even if not associated with immediate symptoms of intoxication.

A3.3.4.7 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.

### A3.3.5 Matrix of precautionary statements by hazard class/category

A3.3.5.1 This matrix lists the recommended precautionary statements for each hazard class and hazard category of the GHS by type of precautionary statement (see A3.2.2.1) except for general precautionary statements. In each case the precautionary statement has the applicable code on the line immediately above.

**EXPLOSIVES  
(CHAPTER 2.1)**

<p><b>Symbol</b> Exploding bomb</p>
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<b>Hazard category</b>	<b>Signal word</b>	<b>Hazard statement</b>
Unstable explosive	Danger	H200 Unstable explosive



Precautionary statements			
Prevention	Response	Storage	Disposal
P201 <b>Obtain special instructions before use.</b> P250 <b>Do not subject to grinding/shock/friction/...</b> <i>– if the explosive is mechanically sensitive.</i> ...Manufacturer/supplier or the competent authority to specify applicable rough handling. P280 <b>Wear protective gloves/protective clothing/eye protection/face protection.</b> Manufacturer/supplier or the competent authority to specify the appropriate type of equipment.	P370 + P372 + P380 + P373 <b>In case of fire: Explosion risk. Evacuate area. DO NOT fight fire when fire reaches explosives.</b>	P401 <b>Store in accordance with...</b> ... Manufacturer/supplier or the competent authority to specify local/regional/national/international regulations as applicable.	P501 <b>Dispose of contents/container to ...</b> ...in accordance with local/regional/national/international regulations (to be specified). Manufacturer/supplier or the competent authority to specify whether disposal requirements apply to contents, container or both.

**EXPLOSIVES  
(CHAPTER 2.1)**

**Symbol**  
Exploding bomb



Hazard category	Signal word	Hazard statement	
Division 1.1	Danger	H201	Explosive; mass explosion hazard
Division 1.2	Danger	H202	Explosive; severe projection hazard
Division 1.3	Danger	H203	Explosive; fire, blast or projection hazard

Precautionary statements			
Prevention	Response	Storage	Disposal
<p>P210 <b>Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.</b></p> <p>P230 <b>Keep wetted with...</b> – for substances and mixtures which are wetted, diluted, dissolved or suspended with a phlegmatizer in order to reduce or suppress their explosive properties (desensitized explosives). ... Manufacturer/supplier or the competent authority to specify appropriate material.</p> <p>P234 <b>Keep only in original packaging.</b></p> <p>P240 <b>Ground and bond container and receiving equipment.</b> – if the explosive is electrostatically sensitive.</p> <p>P250 <b>Do not subject to grinding/shock/friction/...</b> – if the explosive is mechanically sensitive. ... Manufacturer/supplier or the competent authority to specify applicable rough handling.</p> <p>P280 <b>Wear protective gloves/protective clothing/eye protection/face protection.</b> Manufacturer/supplier or the competent authority to specify the appropriate type of equipment.</p>	<p>P370 + P372 + P380 + P373 <b>In case of fire: Explosion risk. Evacuate area. DO NOT fight fire when fire reaches explosives.</b></p>	<p>P401 <b>Store in accordance with...</b> ... Manufacturer/supplier or the competent authority to specify local/regional/national/international regulations as applicable.</p>	<p>P501 <b>Dispose of contents/container to ...</b> ... in accordance with local/regional/national/international regulations (to be specified). Manufacturer/supplier or the competent authority to specify whether disposal requirements apply to contents, container or both.</p>



**EXPLOSIVES  
(CHAPTER 2.1)**

**Symbol**  
Exploding bomb

<b>Hazard category</b>	<b>Signal word</b>	<b>Hazard statement</b>
Division 1.4	Warning	H204 Fire or projection hazard



Precautionary statements			
Prevention	Response	Storage	Disposal
<p>P210 <b>Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.</b></p> <p>P234 <b>Keep only in original packaging.</b></p> <p>P240 <b>Ground and bond container and receiving equipment.</b> – <i>if the explosive is electrostatically sensitive.</i></p> <p>P250 <b>Do not subject to grinding/shock/friction/...</b> – <i>if the explosive is mechanically sensitive.</i> ...Manufacturer/supplier or the competent authority to specify applicable rough handling.</p> <p>P280 <b>Wear protective gloves/protective clothing/eye protection/face protection.</b> Manufacturer/supplier or the competent authority to specify the appropriate type of equipment.</p>	<p>P370 + P372 + P380 + P373 <b>In case of fire: Explosion risk. Evacuate area. DO NOT fight fire when fire reaches explosives.</b> – <i>except for explosives of division 1.4 (compatibility group S) in transport packaging.</i></p> <p>P370 + P380 + P375 <b>In case of fire: Evacuate area. Fight fire remotely due to the risk of explosion.</b> – <i>for explosives of division 1.4 (compatibility group S) in transport packaging.</i></p>	<p>P401 <b>Store in accordance with...</b> ... Manufacturer/supplier or the competent authority to specify local/regional/national/international regulations as applicable.</p>	<p>P501 <b>Dispose of contents/container to...</b> ... in accordance with local/regional/national/international regulations (to be specified). Manufacturer/supplier or the competent authority to specify whether disposal requirements apply to contents, container or both.</p>

**EXPLOSIVES  
(CHAPTER 2.1)**

<b>Symbol</b> <i>No symbol</i>
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<b>Hazard category</b>	<b>Signal word</b>	<b>Hazard statement</b>
Division 1.5	Danger	H205 May mass explode in fire

Precautionary statements			
Prevention	Response	Storage	Disposal
<p>P210 <b>Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.</b></p> <p>P230 <b>Keep wetted with...</b>  <i>– for substances and mixtures which are wetted, diluted, dissolved or suspended with a phlegmatizer in order to reduce or suppress their explosive properties (desensitized explosives).</i>            ... Manufacturer/supplier or the competent authority to specify appropriate material.</p> <p>P234 <b>Keep only in original packaging.</b></p> <p>P240 <b>Ground and bond container and receiving equipment.</b>  <i>– if the explosive is electrostatically sensitive.</i></p> <p>P250 <b>Do not subject to grinding/shock/friction...</b>  <i>– if the explosive is mechanically sensitive.</i>            ... Manufacturer/supplier or the competent authority to specify applicable rough handling.</p> <p>P280 <b>Wear protective gloves/protective clothing/eye protection/face protection.</b>            Manufacturer/supplier or competent authority to specify the appropriate type of equipment.</p>	<p>P370 + P372 + P380 + P373 <b>In case of fire: Explosion risk. Evacuate area. DO NOT fight fire when fire reaches explosives.</b></p>	<p>P401 <b>Store in accordance with...</b>            ... Manufacturer/supplier or the competent authority to specify local/regional/ national/international regulations as applicable.</p>	<p>P501 <b>Dispose of contents/container to ...</b>            ... in accordance with local/regional/ national/international regulations (to be specified).            Manufacturer/supplier or the competent authority to specify whether disposal requirements apply to contents, container or both.</p>

**FLAMMABLE GASES**  
**(CHAPTER 2.2)**  
**(Flammable gases)**

<p><b>Symbol</b> Flame</p>
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<b>Hazard category</b>	<b>Signal word</b>	<b>Hazard statement</b>
1	Danger	H220 Extremely flammable gas



Precautionary statements			
Prevention	Response	Storage	Disposal
<p>P210  <b>Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.</b></p>	<p>P377  <b>Leaking gas fire: Do not extinguish, unless leak can be stopped safely.</b></p> <p>P381  <b>In case of leakage, eliminate all ignition sources.</b></p>	<p>P403  <b>Store in a well-ventilated place.</b></p>	

**FLAMMABLE GASES**  
**(CHAPTER 2.2)**  
**(Flammable gases)**

<b>Symbol</b> <i>No symbol</i>
-----------------------------------

<b>Hazard category</b>	<b>Signal word</b>	<b>Hazard statement</b>
2	Warning	H221 Flammable gas

Precautionary statements			
Prevention	Response	Storage	Disposal
P210 <b>Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.</b>	P377 <b>Leaking gas fire: Do not extinguish, unless leak can be stopped safely.</b>  P381 <b>In case of leakage, eliminate all ignition sources.</b>	P403 <b>Store in a well-ventilated place.</b>	

**FLAMMABLE GASES  
(CHAPTER 2.2)  
(Pyrophoric gases)**

<b>Symbol</b> Flame
------------------------

<b>Hazard category</b>	<b>Signal word</b>	<b>Hazard statement</b>
Pyrophoric gas	Danger	H232 May ignite spontaneously if exposed to air



Precautionary statements			
Prevention	Response	Storage	Disposal
P222 <b>Do not allow contact with air.</b> <i>– if emphasis of the hazard statement is deemed necessary.</i>  P280 <b>Wear protective gloves/protective clothing/eye protection/face protection.</b> Manufacturer/supplier or the competent authority to specify the appropriate type of equipment.			

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

**FLAMMABLE GASES**  
**(CHAPTER 2.2)**  
**(Chemically unstable gases)**

<b>Symbol</b> <i>No additional symbol</i>
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Hazard category	Signal word	Hazard statement
A	<i>No additional signal word</i>	H230 May react explosively even in the absence of air
B	<i>No additional signal word</i>	H231 May react explosively even in the absence of air at elevated pressure and/or temperature

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

*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)**

<b>Symbol</b> 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 <b>Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.</b>  P211 <b>Do not spray on an open flame or other ignition source.</b>  P251 <b>Do not pierce or burn, even after use.</b>		P410 + P412 <b>Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F.</b> Manufacturer/supplier or the competent authority to use applicable temperature scale.	

**AEROSOLS**  
**(CHAPTER 2.3)**

<b>Symbol</b> <i>No symbol</i>
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<b>Hazard category</b>	<b>Signal word</b>	<b>Hazard statement</b>
3	Warning	H229 Pressurized container: may burst if heated

Precautionary statements			
Prevention	Response	Storage	Disposal
P210 <b>Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.</b>  P251 <b>Do not pierce or burn, even after use.</b>		P410 + P412 <b>Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F.</b> Manufacturer/supplier or the competent authority to use applicable temperature scale.	



**OXIDIZING GASES  
(CHAPTER 2.4)**

**Symbol**  
Flame over circle



<b>Hazard category</b>	<b>Signal word</b>	<b>Hazard statement</b>
1	Danger	H270 May cause or intensify fire; oxidizer

Precautionary statements			
Prevention	Response	Storage	Disposal
P220 <b>Keep away from clothing and other combustible materials.</b>  P244 <b>Keep valves and fittings free from oil and grease.</b>	P370 + P376 <b>In case of fire: Stop leak if safe to do so.</b>	P403 <b>Store in a well-ventilated place.</b>	

**GASES UNDER PRESSURE  
(CHAPTER 2.5)**

<b>Symbol</b> Gas cylinder
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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 <b>Protect from sunlight. Store in a well-ventilated place.</b> <i>– P410 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>	

**GASES UNDER PRESSURE  
(CHAPTER 2.5)**

<b>Symbol</b> Gas cylinder
-------------------------------

<b>Hazard category</b>	<b>Signal word</b>	<b>Hazard statement</b>
Refrigerated liquefied gas	Warning	H281 Contains refrigerated gas; may cause cryogenic burns or injury



Precautionary statements			
Prevention	Response	Storage	Disposal
P282 <b>Wear cold insulating gloves and either face shield or eye protection.</b>	P336 + P315 <b>Thaw frosted parts with lukewarm water. Do not rub affected area. Get immediate medical advice/attention.</b> Manufacturer/supplier or the competent authority to select medical advice or attention as appropriate.	P403 <b>Store in a well-ventilated place.</b>	

**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

Precautionary statements			
Prevention	Response	Storage	Disposal
<p>P210 <b>Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.</b></p> <p>P233 <b>Keep container tightly closed.</b> – if the liquid is volatile and may generate an explosive atmosphere.</p> <p>P240 <b>Ground and bond container and receiving equipment.</b> – if the liquid is volatile and may generate an explosive atmosphere.</p> <p>P241 <b>Use explosion-proof [electrical/ventilating/lighting/...] equipment.</b> – 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..</p> <p>P242 <b>Use non-sparking tools.</b> – 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 &lt;0.1mJ, e.g. carbon disulphide).</p> <p>P243 <b>Take action to prevent static discharges.</b> – if the liquid is volatile and may generate an explosive atmosphere. – may be omitted where local or national legislation introduces more specific provisions.</p> <p>P280 <b>Wear protective gloves/protective clothing/eye protection/face protection</b> Manufacturer/supplier or the competent authority to specify the appropriate type of equipment.</p>	<p>P303 + P361 + P353 <b>IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].</b> – text in square brackets to be included where the manufacturer/supplier or the competent authority considers it appropriate for the specific chemical.</p> <p>P370 + P378 <b>In case of fire: Use ... to extinguish.</b> – if water increases risk. ... Manufacturer/supplier or the competent authority to specify appropriate media.</p>	<p>P403 + P235 <b>Store in a well-ventilated place. Keep cool.</b> – for flammable liquids Category 1 and other flammable liquids that are volatile and may generate an explosive atmosphere.</p>	<p>P501 <b>Dispose of contents/container to...</b> ... in accordance with local/regional/national/international regulations (to be specified). Manufacturer/supplier or the competent authority to specify whether disposal requirements apply to contents, container or both.</p>

**FLAMMABLE LIQUIDS**  
**(CHAPTER 2.6)**

<b>Symbol</b> <i>No symbol</i>
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<b>Hazard category</b>	<b>Signal word</b>	<b>Hazard statement</b>
4	Warning	H227 Combustible liquid

Precautionary statements			
Prevention	Response	Storage	Disposal
P210 <b>Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.</b> P280 <b>Wear protective gloves/protective clothing/eye protection/face protection</b> Manufacturer/supplier or the competent authority to specify the appropriate type of equipment.	P370 + P378 <b>In case of fire: Use ... to extinguish.</b> <i>– if water increases risk.</i> ... Manufacturer/supplier or the competent authority to specify appropriate media.	P403 <b>Store in a well-ventilated place.</b> <i>– for flammable liquids Category 1 and other flammable liquids that are volatile and may generate an explosive atmosphere.</i>	P501 <b>Dispose of contents/container to...</b> ...in accordance with local/regional/national/international regulations (to be specified). Manufacturer/supplier or the competent authority to specify whether disposal requirements apply to contents, container or both.

**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
<p>P210 <b>Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.</b></p> <p>P240 <b>Ground and bond container and receiving equipment.</b> <i>– if the solid is electrostatically sensitive.</i></p> <p>P241 <b>Use explosion-proof [electrical/ventilating/lighting/...]equipment.</b> <i>– if dust clouds can occur.</i> <i>– text in square brackets may be used to specify specific electrical, ventilating, lighting or other equipment if necessary and as appropriate.</i> <i>– precautionary statement may be omitted where local or national legislation introduces more specific provisions.</i></p> <p>P280 <b>Wear protective gloves/ protective clothing/eye protection/face protection</b> Manufacturer/supplier or the competent authority to specify the appropriate type of equipment.</p>	<p>P370 + P378 <b>In case of fire: Use ... to extinguish</b> <i>– if water increases risk.</i> ... Manufacturer/supplier or the competent authority to specify appropriate media.</p>		

**SELF-REACTIVE SUBSTANCES AND MIXTURES  
(CHAPTER 2.8)**

<b>Symbol</b> Exploding bomb
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<b>Hazard category</b>	<b>Signal word</b>	<b>Hazard statement</b>
Type A	Danger	H240 Heating may cause an explosion

Precautionary statements			
Prevention	Response	Storage	Disposal
P210 <b>Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.</b>  P234 <b>Keep only in original packaging.</b>  P235 <b>Keep cool.</b> <i>– may be omitted if P411 is given on the label.</i>  P240 <b>Ground and bond container and receiving equipment.</b> <i>– if electrostatically sensitive and able to generate an explosive atmosphere.</i>  P280 <b>Wear protective gloves/protective clothing/eye protection/face protection.</b> Manufacturer/supplier or the competent authority to specify the appropriate type of equipment.	P370 + P372 + P380 + P373 <b>In case of fire: Explosion risk. Evacuate area. DO NOT fight fire when fire reaches explosives.</b>	P403 <b>Store in a well-ventilated place.</b> <i>– except for temperature controlled self-reactive substances and mixtures or organic peroxides because condensation and consequent freezing may take place.</i>  P411 <b>Store at temperatures not exceeding ...°C/...°F.</b> <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.  P420 <b>Store separately.</b>	P501 <b>Dispose of contents/container to...</b> ... in accordance with local/regional/national/international regulations (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)**

**Symbol**  
Explosion bomb and flame

**Hazard category**

Type B

**Signal word**

Danger

**Hazard statement**

H241 Heating may cause a fire or explosion

**Precautionary statements**

Prevention	Response	Storage	Disposal
<p>P210 <b>Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.</b></p> <p>P234 <b>Keep only in original packaging.</b></p> <p>P235 <b>Keep cool</b> – may be omitted if P411 is given on the label.</p> <p>P240 <b>Ground and bond container and receiving equipment.</b> – if electrostatically sensitive and able to generate an explosive atmosphere.</p> <p>P280 <b>Wear protective gloves/protective clothing/eye protection/face protection.</b> Manufacturer/supplier or the competent authority to specify the appropriate type of equipment.</p>	<p>P370 + P380 + P375 [+ P378] <b>In case of fire: Evacuate area. Fight fire remotely due to the risk of explosion. [Use...to extinguish]</b> – text in square brackets to be included if water increases risk. ... Manufacturer/supplier or the competent authority to specify appropriate media.</p>	<p>P403 <b>Store in a well-ventilated place.</b> – except for temperature controlled self-reactive substances and mixtures or organic peroxides because condensation and consequent freezing may take place.</p> <p>P411 <b>Store at temperatures not exceeding ...°C/...°F.</b> – 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. ... Manufacturer/supplier or the competent authority to specify temperature using applicable temperature scale.</p> <p>P420 <b>Store separately.</b></p>	<p>P501 <b>Dispose of contents/container to...</b> ...in accordance with local/regional/national/international regulations (to be specified). Manufacturer/supplier or the competent authority to specify whether disposal requirements apply to contents, container or both.</p>



**SELF-REACTIVE SUBSTANCES AND MIXTURES  
(CHAPTER 2.8)**

**Symbol**  
Flame



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
<p>P210 <b>Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.</b></p> <p>P234 <b>Keep only in original packaging.</b></p> <p>P235 <b>Keep cool</b> – <i>may be omitted if P411 is given on the label.</i></p> <p>P240 <b>Ground and bond container and receiving equipment.</b> – <i>if electrostatically sensitive and able to generate an explosive atmosphere.</i></p> <p>P280 <b>Wear protective gloves/protective clothing/eye protection/face protection.</b> Manufacturer/supplier or the competent authority to specify the appropriate type of equipment.</p>	<p>P370 + P378 <b>In case of fire: Use ... to extinguish</b> – <i>if water increases risk.</i> ... Manufacturer/supplier or the competent authority to specify appropriate media.</p>	<p>P403 <b>Store in a well-ventilated place.</b> – <i>except for temperature controlled self-reactive substances and mixtures or organic peroxides because condensation and consequent freezing may take place.</i></p> <p>P411 <b>Store at temperatures not exceeding ...°C/...°F.</b> – <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.</p> <p>P420 <b>Store separately.</b></p>	<p>P501 <b>Dispose of contents/container to...</b> ...in accordance with local/regional/national/international regulations (to be specified). Manufacturer/supplier or the competent authority to specify whether disposal requirements apply to contents, container or both.</p>

**PYROPHORIC LIQUIDS  
(CHAPTER 2.9)**

<b>Symbol</b> Flame
------------------------

**Hazard category**

1

**Signal word**

Danger

**Hazard statement**

H250 Catches fire spontaneously if exposed to air



Precautionary statements			
Prevention	Response	Storage	Disposal
P210 <b>Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.</b> P222 <b>Do not allow contact with air.</b> <i>– if emphasis of the hazard statement is deemed necessary.</i> P231 + P232 <b>Handle and store contents under inert gas/....</b> <b>Protect from moisture.</b> ...Manufacturer/supplier or the competent authority to specify appropriate liquid or gas if “inert gas” is not appropriate. P233 <b>Keep container tightly closed.</b> P280 <b>Wear protective gloves/protective clothing/eye protection/face protection.</b> Manufacturer/supplier or the competent authority to specify the appropriate type of equipment.	P302 + P334 <b>IF ON SKIN: Immerse in cool water or wrap in wet bandages.</b> P370 + P378 <b>In case of fire: Use ... to extinguish</b> <i>– if water increases risk.</i> ...Manufacturer/supplier or the competent authority to specify appropriate media.		

**PYROPHORIC SOLIDS**  
**(CHAPTER 2.10)**

**Symbol**  
Flame



<b>Hazard category</b>	<b>Signal word</b>	<b>Hazard statement</b>
1	Danger	H250 Catches fire spontaneously if exposed to air

Precautionary statements			
Prevention	Response	Storage	Disposal
<p>P210 <b>Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.</b></p> <p>P222 <b>Do not allow contact with air.</b> <i>– if emphasis of the hazard statement is deemed necessary.</i></p> <p>P231 + P232 <b>Handle and store contents under inert gas/... Protect from moisture.</b> ...Manufacturer/supplier or the competent authority to specify appropriate liquid or gas if “inert gas” is not appropriate.</p> <p>P233 <b>Keep container tightly closed.</b></p> <p>P280 <b>Wear protective gloves/protective clothing/eye protection/face protection</b> Manufacturer/supplier or the competent authority to specify the appropriate type of equipment.</p>	<p>P302 + P335 + P334 <b>IF ON SKIN: Brush off loose particles from skin. Immerse in cool water or wrap in wet bandages.</b></p> <p>P370 + P378 <b>In case of fire: Use ... to extinguish</b> <i>– if water increases risk.</i> ... Manufacturer/supplier or the competent authority to specify appropriate media.</p>		

**SELF-HEATING SUBSTANCES AND MIXTURES  
(CHAPTER 2.11)**

<p><b>Symbol</b> Flame</p>
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Hazard category	Signal word	Hazard statement
1	Danger	H251 Self-heating; may catch fire
2	Warning	H252 Self-heating in large quantities; may catch fire

Precautionary statements			
Prevention	Response	Storage	Disposal
<p>P235 <b>Keep cool.</b> <i>– may be omitted if P413 is given on the label.</i></p> <p>P280 <b>Wear protective gloves/protective clothing/eye protection/face protection.</b> Manufacturer/supplier or the competent authority to specify the appropriate type of equipment.</p>		<p>P407 <b>Maintain air gap between stacks or pallets.</b></p> <p>P413 <b>Store bulk masses greater than ... kg/...lbs at temperatures not exceeding ...°C/...°F.</b> ... Manufacturer/supplier or the competent authority to specify mass and temperature using applicable scale.</p> <p>P420 <b>Store separately.</b></p>	

**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
<p>P223 <b>Do not allow contact with water.</b> – <i>if emphasis of the hazard statement is deemed necessary.</i></p> <p>P231 + P232 <b>Handle and store contents under inert gas/... Protect from moisture.</b> – <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.</p> <p>P280 <b>Wear protective gloves/protective clothing/eye protection/face protection.</b> Manufacturer/supplier or the competent authority to specify the appropriate type of equipment.</p>	<p>P302 + P335 + P334 <b>IF ON SKIN: Brush off loose particles from skin and immerse in cool water.</b></p> <p>P370 + P378 <b>In case of fire: Use ... to extinguish</b> – <i>if water increases risk.</i> ... Manufacturer/supplier or the competent authority to specify appropriate media.</p>	<p>P402 + P404 <b>Store in a dry place. Store in a closed container.</b></p>	<p>P501 <b>Dispose of contents/container to...</b> ...in accordance with local/regional/national/ international regulations (to be specified). Manufacturer/supplier or the competent authority to specify whether disposal requirements apply to contents, container or both.</p>

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

<b>Symbol</b> Flame
------------------------

<b>Hazard category</b>	<b>Signal word</b>	<b>Hazard statement</b>
3	Warning	H261 In contact with water releases flammable gas



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

**OXIDIZING LIQUIDS  
(CHAPTER 2.13)**

**Symbol**  
Flame over circle

<b>Hazard category</b>	<b>Signal word</b>	<b>Hazard statement</b>
1	Danger	H271 May cause fire or explosion; strong oxidizer



Precautionary statements			
Prevention	Response	Storage	Disposal
P210 <b>Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.</b>  P220 <b>Keep away from clothing and other combustible materials.</b>  P280 <b>Wear protective gloves/protective clothing/eye protection/face protection.</b> Manufacturer/supplier or the competent authority to specify the appropriate type of equipment.  P283 <b>Wear fire resistant or flame retardant clothing.</b>	P306 + P360 <b>IF ON CLOTHING: Rinse immediately contaminated clothing and skin with plenty of water before removing clothes.</b>  P371 + P380 + P375 <b>In case of major fire and large quantities: Evacuate area. Fight fire remotely due to the risk of explosion.</b>  P370 + P378 <b>In case of fire: Use ... to extinguish.</b> <i>– if water increases risk...</i> Manufacturer/supplier or the competent authority to specify appropriate media.	P420 <b>Store separately.</b>	P501 <b>Dispose of contents/container to...</b> ...in accordance with local/regional/national/international regulations (to be specified). Manufacturer/supplier or the competent authority to specify whether disposal requirements apply to contents, container or both.

**OXIDIZING LIQUIDS  
(CHAPTER 2.13)**

<b>Symbol</b> Flame over circle
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Hazard category	Signal word	Hazard statement
2	Danger	H272 May intensify fire; oxidizer
3	Warning	H272 May intensify fire; oxidizer



Precautionary statements			
Prevention	Response	Storage	Disposal
P210 <b>Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.</b> P220 <b>Keep away from clothing and other combustible materials.</b> P280 <b>Wear protective gloves/protective clothing/eye protection/face protection.</b> Manufacturer/supplier or the competent authority to specify the appropriate type of equipment.	P370 + P378 <b>In case of fire: Use ... to extinguish.</b> – <i>if water increases risk.</i> ... Manufacturer/supplier or the competent authority to specify appropriate media.		P501 <b>Dispose of contents/container to...</b> ...in accordance with local/regional/national/international regulations (to be specified). Manufacturer/supplier or the competent authority to specify whether disposal requirements apply to contents, container or both.



**OXIDIZING SOLIDS  
(CHAPTER 2.14)**

<b>Symbol</b> Flame over circle
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<b>Hazard category</b>	<b>Signal word</b>	<b>Hazard statement</b>
1	Danger	H271 May cause fire or explosion; strong oxidizer



Precautionary statements			
Prevention	Response	Storage	Disposal
P210 <b>Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.</b> P220 <b>Keep away from clothing and other combustible materials.</b> P280 <b>Wear protective gloves/protective clothing/eye protection/face protection.</b> Manufacturer/supplier or the competent authority to specify the appropriate type of equipment. P283 <b>Wear fire resistant or flame retardant clothing.</b>	P306 + P360 <b>IF ON CLOTHING: Rinse immediately contaminated clothing and skin with plenty of water before removing clothes.</b> P371 + P380 + P375 <b>In case of major fire and large quantities: Evacuate area. Fight fire remotely due to the risk of explosion.</b> P370 + P378 <b>In case of fire: Use ... to extinguish.</b> <i>– if water increases risk.</i> ... Manufacturer/supplier or the competent authority to specify appropriate media.	P420 <b>Store separately.</b>	P501 <b>Dispose of contents/container to...</b> ... in accordance with local/regional/national/international regulations (to be specified). Manufacturer/supplier or the competent authority to specify whether disposal requirements apply to contents, container or both.

**OXIDIZING SOLIDS**  
**(CHAPTER 2.14)**

<b>Symbol</b> Flame over circle
------------------------------------

Hazard category	Signal word	Hazard statement
2	Danger	H272 May intensify fire; oxidizer
3	Warning	H272 May intensify fire; oxidizer



Precautionary statements			
Prevention	Response	Storage	Disposal
P210 <b>Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.</b>  P220 <b>Keep away from clothing and other combustible materials.</b>  P280 <b>Wear protective gloves/protective clothing/eye protection/face protection.</b> Manufacturer/supplier or the competent authority to specify the appropriate type of equipment.	P370 + P378 <b>In case of fire: Use ... to extinguish.</b> <i>– if water increases risk.</i> ... Manufacturer/supplier or the competent authority to specify appropriate media.		P501 <b>Dispose of contents/container to...</b> ... in accordance with local/regional/national/international regulations (to be specified). Manufacturer/supplier or the competent authority to specify whether disposal requirements apply to contents, container or both.

**ORGANIC PEROXIDES**  
**(CHAPTER 2.15)**

<b>Symbol</b> Exploding bomb
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<b>Hazard category</b>	<b>Signal word</b>	<b>Hazard statement</b>
Type A	Danger	H240 Heating may cause an explosion



Precautionary statements			
Prevention	Response	Storage	Disposal
<p>P210 <b>Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.</b></p> <p>P234 <b>Keep only in original container.</b></p> <p>P235 <b>Keep cool.</b> <i>– may be omitted if P411 is given on the label.</i></p> <p>P240 <b>Ground and bond container and receiving equipment.</b> <i>– if electrostatically sensitive and able to generate an explosive atmosphere.</i></p> <p>P280 <b>Wear protective gloves/ protective clothing/eye protection/face protection.</b> Manufacturer/supplier or the competent authority to specify the appropriate type of equipment.</p>	<p>P370 + P372 + P380 + P373 <b>In case of fire: Explosion risk. Evacuate area. DO NOT fight fire when fire reaches explosives.</b></p>	<p>P403 <b>Store in a well-ventilated place.</b> <i>– except for temperature controlled self-reactive substances and mixtures or organic peroxides because condensation and consequent freezing may take place.</i></p> <p>P410 <b>Protect from sunlight.</b></p> <p>P411 <b>Store at temperatures not exceeding ...°C/...°F.</b> <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</p> <p>P420 <b>Store separately.</b></p>	<p>P501 <b>Dispose of contents/container to...</b> ... in accordance with local/regional/national/international regulations (to be specified). Manufacturer/supplier or the competent authority to specify whether disposal requirements apply to contents, container or both.</p>

**ORGANIC PEROXIDES  
(CHAPTER 2.15)**

**Symbol**  
Exploding bomb and flame

<b>Hazard category</b>	<b>Signal word</b>	<b>Hazard statement</b>
Type B	Danger	H241 Heating may cause a fire or explosion



Precautionary statements			
Prevention	Response	Storage	Disposal
<p>P210 <b>Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.</b></p> <p>P234 <b>Keep only in original packaging.</b></p> <p>P235 <b>Keep cool.</b> <i>– may be omitted if P411 is given on the label.</i></p> <p>P240 <b>Ground and bond container and receiving equipment.</b> <i>– if electrostatically sensitive and able to generate an explosive atmosphere.</i></p> <p>P280 <b>Wear protective gloves/ protective clothing/eye protection/face protection.</b> Manufacturer/supplier or the competent authority to specify the appropriate type of equipment.</p>	<p>P370 + P380 + P375 [+ P378] <b>In case of fire: Evacuate area. Fight fire remotely due to the risk of explosion.</b> <b>[Use...to extinguish]</b> <i>– text in square brackets to be used if water increases risk.</i> ...Manufacturer/supplier or the competent authority to specify appropriate media.</p>	<p>P403 <b>Store in a well-ventilated place.</b> <i>– except for temperature controlled self-reactive substances and mixtures or organic peroxides because condensation and consequent freezing may take place.</i></p> <p>P410 <b>Protect from sunlight.</b></p> <p>P411 <b>Store at temperatures not exceeding ...°C/...°F.</b> <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.</p> <p>P420 <b>Store separately.</b></p>	<p>P501 <b>Dispose of contents/container to...</b> ... in accordance with local/regional/national/international regulations (to be specified). Manufacturer/supplier or the competent authority to specify whether disposal requirements apply to contents, container or both.</p>

**ORGANIC PEROXIDES**  
**(CHAPTER 2.15)**

Symbol  
Flame



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
<p>P210 <b>Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.</b></p> <p>P234 <b>Keep only in original packaging.</b></p> <p>P235 <b>Keep cool.</b> <i>– may be omitted if P411 is given on the label.</i></p> <p>P240 <b>Ground and bond container and receiving equipment.</b> <i>– if electrostatically sensitive and able to generate an explosive atmosphere.</i></p> <p>P280 <b>Wear protective gloves/ protective clothing/eye protection/face protection.</b> Manufacturer/supplier or the competent authority to specify the appropriate type of equipment.</p>	<p>P370 + P378 <b>In case of fire: Use ... to extinguish.</b> <i>– if water increases risk.</i> ... Manufacturer/supplier or the competent authority to specify appropriate media.</p>	<p>P403 <b>Store in a well-ventilated place.</b> <i>– except for temperature controlled self-reactive substances and mixtures or organic peroxides because condensation and consequent freezing may take place.</i></p> <p>P410 <b>Protect from sunlight.</b></p> <p>P411 <b>Store at temperatures not exceeding ...°C/...°F.</b> <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.</p> <p>P420 <b>Store separately.</b></p>	<p>P501 <b>Dispose of contents/container to...</b> ... in accordance with local/regional/national/international regulations (to be specified). Manufacturer/supplier or the competent authority to specify whether disposal requirements apply to contents, container or both.</p>

**CORROSIVE TO METALS  
(CHAPTER 2.16)**

<b>Symbol</b> Corrosion
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<b>Hazard category</b>	<b>Signal word</b>	<b>Hazard statement</b>
1	Warning	H290 May be corrosive to metals

Precautionary statements			
Prevention	Response	Storage	Disposal
P234 <b>Keep only in original packaging.</b>	P390 <b>Absorb spillage to prevent material-damage.</b>	P406 <b>Store in a corrosion resistant/... container with a resistant inner liner.</b> <i>– may be omitted if P234 is given on the label</i> ... Manufacturer/supplier or the competent authority to specify other compatible materials.	

**DESENSITIZED EXPLOSIVES  
(CHAPTER 2.17)**

<b>Symbol</b> Flame
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Hazard category	Signal word	Hazard statement
1	Danger	H206 Fire, blast or projection hazard; increased risk of explosion if desensitizing agent is reduced
2	Danger	H207 Fire or projection hazard; increased risk of explosion if desensitizing agent is reduced
3	Warning	H207 Fire or projection hazard; increased risk of explosion if desensitizing agent is reduced



Precautionary statements			
Prevention	Response	Storage	Disposal
P210 <b>Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.</b>  P212 <b>Avoid heating under confinement or reduction of the desensitizing agent.</b>  P230 <b>Keep wetted with...</b> ...Manufacturer/supplier or the competent authority to specify appropriate material.  P233 <b>Keep container tightly closed.</b>  P280 <b>Wear protective gloves/protective clothing/eye protection/face protection.</b>	P370+P380+P375 <b>In case of fire: Evacuate area. Fight fire remotely due to the risk of explosion.</b>	P401 <b>Store in accordance with...</b> ...Manufacturer/supplier or the competent authority to specify local/regional/national/international regulations as applicable.	P501 <b>Dispose of contents/containers to...</b> ...in accordance with local/regional/national /international regulations (to be specified).  Manufacturer/supplier or the competent authority to specify whether disposal requirements apply to contents, container or both.

**DESENSITIZED EXPLOSIVES  
(CHAPTER 2.17)**

**Symbol**  
Flame

<b>Hazard category</b>	<b>Signal word</b>	<b>Hazard statement</b>
4	Warning	H208 Fire hazard; increased risk of explosion if desensitizing agent is reduced



Precautionary statements			
Prevention	Response	Storage	Disposal
<p>P210 <b>Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.</b></p> <p>P212 <b>Avoid heating under confinement or reduction of the desensitizing agent.</b></p> <p>P230 <b>Keep wetted with...</b> ...Manufacturer/supplier or the competent authority to specify appropriate material.</p> <p>P233 <b>Keep container tightly closed.</b></p> <p>P280 <b>Wear protective gloves/protective clothing/eye protection/face protection.</b></p>	<p>P371+P380+P375 <b>In case of major fire and large quantities: Evacuate-area. Fight fire remotely due to the risk of explosion.</b></p>	<p>P401 <b>Store in accordance with...</b> ...Manufacturer/supplier or the competent authority to specify local/regional/national/international regulations as applicable.</p>	<p>P501 <b>Dispose of contents/containers to...</b> ...in accordance with local/regional/national /international regulations (to be specified). Manufacturer/supplier or the competent authority to specify whether disposal requirements apply to contents, container or both.</p>



**ACUTE TOXICITY – ORAL**  
**(CHAPTER 3.1)**

<b>Symbol</b> Skull and crossbones
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<b>Hazard category</b>	<b>Signal word</b>	<b>Hazard statement</b>
3	Danger	H301 Toxic if swallowed



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

**ACUTE TOXICITY – ORAL  
(CHAPTER 3.1)**

<b>Symbol</b> Exclamation mark
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<b>Hazard category</b>	<b>Signal word</b>	<b>Hazard statement</b>
4	Warning	H302 Harmful if swallowed

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

**ACUTE TOXICITY – ORAL  
(CHAPTER 3.1)**

<b>Symbol</b> <i>No symbol</i>
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<b>Hazard category</b>	<b>Signal word</b>	<b>Hazard statement</b>
5	Warning	H303      May be harmful if swallowed

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

**ACUTE TOXICITY – DERMAL**  
**(CHAPTER 3.1)**

<b>Symbol</b> 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 <b>Do not get in eyes, on skin, or on clothing.</b>  P264 <b>Wash ... thoroughly after handling.</b> ...Manufacturer/supplier or the competent authority to specify parts of the body to be washed after handling.  P270 <b>Do not eat, drink or smoke when using this product.</b>  P280 <b>Wear protective gloves/protective clothing.</b> Manufacturer/supplier or the competent authority may further specify type of equipment where appropriate.	P302 + P352 <b>IF ON SKIN: Wash with plenty of water/...</b> ...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 <b>Immediately call a POISON CENTER/doctor/...</b> ...Manufacturer/supplier or the competent authority to specify the appropriate source of emergency medical advice.  P321 <b>Specific treatment (see ... on this label)</b> – <i>if immediate measures such as specific cleansing agent is advised.</i> ... Reference to supplemental first aid instruction.  P361+ P364 <b>Take off immediately all contaminated clothing and wash it before reuse.</b>	P405 <b>Store locked up.</b>	P501 <b>Dispose of contents/container to...</b> ... in accordance with local/regional/national/international regulations (to be specified). Manufacturer/supplier or the competent authority to specify whether disposal requirements apply to contents, container or both.

**ACUTE TOXICITY – DERMAL  
(CHAPTER 3.1)**

<b>Symbol</b> Skull and crossbones
---------------------------------------

<b>Hazard category</b>	<b>Signal word</b>	<b>Hazard statement</b>
3	Danger	H311 Toxic in contact with skin



Precautionary statements			
Prevention	Response	Storage	Disposal
P280 <b>Wear protective gloves/protective clothing.</b> Manufacturer/supplier or the competent authority may further specify type of equipment where appropriate.	P302 + P352 <b>IF ON SKIN: Wash with plenty of water/...</b> ...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 <b>Call a POISON CENTER/doctor/...if you feel unwell.</b> ...Manufacturer/supplier or the competent authority to specify the appropriate source of emergency medical advice.  P321 <b>Specific treatment (see ... on this label)</b> <i>– if immediate measures such as specific cleansing agent is advised.</i> ... Reference to supplemental first aid instruction.  P361 + P364 <b>Take off immediately all contaminated clothing and wash it before reuse.</b>	P405 <b>Store locked up.</b>	P501 <b>Dispose of contents/container to...</b> ... in accordance with local/regional/national/international regulations (to be specified). Manufacturer/supplier or the competent authority to specify whether disposal requirements apply to contents, container or both.

**ACUTE TOXICITY – DERMAL  
(CHAPTER 3.1)**

<b>Symbol</b> Exclamation mark
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<b>Hazard category</b>	<b>Signal word</b>	<b>Hazard statement</b>
4	Warning	H312 Harmful in contact with skin

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

**ACUTE TOXICITY – DERMAL  
(CHAPTER 3.1)**

<b>Symbol</b> <i>No symbol</i>
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<b>Hazard category</b>	<b>Signal word</b>	<b>Hazard statement</b>
5	Warning	H313 May be harmful in contact with skin

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

**ACUTE TOXICITY – INHALATION  
(CHAPTER 3.1)**

**Symbol**  
Skull 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
<p>P260 <b>Do not breathe dust/fume/gas/mist/ vapours/spray.</b> Manufacturer/supplier or the competent authority to specify applicable conditions.</p> <p>P271 <b>Use only outdoors or in a well-ventilated area.</b></p> <p>P284 <b>[In case of inadequate ventilation] wear respiratory protection.</b> – <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.</p>	<p>P304 + P340 <b>IF INHALED: Remove person to fresh air and keep comfortable for breathing.</b></p> <p>P310 <b>Immediately call a POISON CENTER/doctor/...</b> ...Manufacturer/supplier or the competent authority to specify the appropriate source of emergency medical advice.</p> <p>P320 <b>Specific treatment is urgent (see ... on this label)</b> – <i>if immediate administration of antidote is required.</i> ... Reference to supplemental first aid instruction.</p>	<p>P403 + P233 <b>Store in a well-ventilated place. Keep container tightly closed.</b> – <i>if the chemical is volatile and may generate a hazardous atmosphere.</i></p> <p>P405 <b>Store locked up.</b></p>	<p>P501 <b>Dispose of contents/container to...</b> ... in accordance with local/regional/national/international regulations (to be specified). Manufacturer/supplier or the competent authority to specify whether disposal requirements apply to contents, container or both.</p>



**ACUTE TOXICITY – INHALATION  
(CHAPTER 3.1)**

<b>Symbol</b> Skull and crossbones
---------------------------------------

<b>Hazard category</b>	<b>Signal word</b>	<b>Hazard statement</b>
3	Danger	H331 Toxic if inhaled



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

**ACUTE TOXICITY – INHALATION  
(CHAPTER 3.1)**

<b>Symbol</b> Exclamation mark
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<b>Hazard category</b>	<b>Signal word</b>	<b>Hazard statement</b>
4	Warning	H332 Harmful if inhaled

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

**ACUTE TOXICITY – INHALATION  
(CHAPTER 3.1)**

<b>Symbol</b> <i>No symbol</i>
-----------------------------------

<b>Hazard category</b>	<b>Signal word</b>	<b>Hazard statement</b>
5	Warning	H333 May be harmful if inhaled

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

**SKIN CORROSION/IRRITATION**  
(CHAPTER 3.2)

<b>Symbol</b> Corrosion
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<b>Hazard category</b>	<b>Signal word</b>	<b>Hazard statement</b>
1A to 1C	Danger	H314 Causes severe skin burns and eye damage

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

**SKIN CORROSION/IRRITATION  
(CHAPTER 3.2)**

<b>Symbol</b> Exclamation mark
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<b>Hazard category</b>	<b>Signal word</b>	<b>Hazard statement</b>
2	Warning	H315 Causes skin irritation

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

**SKIN CORROSION/IRRITATION  
(CHAPTER 3.2)**

<b>Symbol</b> <i>No symbol</i>
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<b>Hazard category</b>	<b>Signal word</b>	<b>Hazard statement</b>
3	Warning	H316 Causes mild skin irritation

<b>Precautionary statements</b>			
<b>Prevention</b>	<b>Response</b>	<b>Storage</b>	<b>Disposal</b>
	P332 + P313 <b>If skin irritation occurs: Get medical advice/attention.</b> <i>– may be omitted when P333+P313 appears on the label.</i> Manufacturer/supplier or the competent authority to select medical advice or attention as appropriate.		

**EYE DAMAGE/IRRITATION  
(CHAPTER 3.3)**

<b>Symbol</b> Corrosion
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<b>Hazard category</b>	<b>Signal word</b>	<b>Hazard statement</b>
1	Danger	H318 Causes serious eye damage

Precautionary statements			
Prevention	Response	Storage	Disposal
P280 <b>Wear eye protection/face protection.</b> Manufacturer/supplier or the competent authority may further specify type of equipment where appropriate.	P305 + P351 + P338 <b>IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.</b>  P310 <b>Immediately call a POISON CENTER/doctor/...</b> ...Manufacturer/supplier or the competent authority to specify the appropriate source of emergency medical advice.		

**EYE DAMAGE/IRRITATION  
(CHAPTER 3.3)**

<b>Symbol</b> Exclamation mark
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<b>Hazard category</b>	<b>Signal word</b>	<b>Hazard statement</b>
2A	Warning	H319 Causes serious eye irritation

Precautionary statements			
Prevention	Response	Storage	Disposal
P264 <b>Wash ... thoroughly after handling.</b> ...Manufacturer/supplier or the competent authority to specify parts of the body to be washed after handling.  P280 <b>Wear eye protection/face protection.</b> Manufacturer/supplier or the competent authority may further specify type of equipment where appropriate.	P305 + P351 + P338 <b>IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.</b>  P337 + P313 <b>If eye irritation persists: Get medical advice/attention.</b> Manufacturer/supplier or the competent authority to select medical advice or attention as appropriate.		



**EYE DAMAGE/IRRITATION  
(CHAPTER 3.3)**

<b>Symbol</b> <i>No symbol</i>
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<b>Hazard category</b>	<b>Signal word</b>	<b>Hazard statement</b>
2B	Warning	H320 Causes eye irritation

Precautionary statements			
Prevention	Response	Storage	Disposal
P264 <b>Wash ... thoroughly after handling.</b> ...Manufacturer/supplier or the competent authority to specify parts of the body to be washed after handling.	P305 + P351 + P338 <b>IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.</b>  P337 + P313 <b>If eye irritation persists: Get medical advice/attention.</b> Manufacturer/supplier or the competent authority to select medical advice or attention as appropriate.		

**SENSITIZATION – RESPIRATORY  
(CHAPTER 3.4)**

**Symbol**  
Health hazard

**Hazard category** 1, 1A, 1B      **Signal word** Danger      **Hazard statement** H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled



Precautionary statements			
Prevention	Response	Storage	Disposal
P261 <b>Avoid breathing dust/fume/gas/mist/vapours/spray.</b> <i>– may be omitted if P260 is given on the label</i> Manufacturer/supplier or the competent authority to specify applicable conditions.  P284 <b>[In case of inadequate ventilation] wear respiratory protection.</b> <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.	P304 + P340 <b>IF INHALED: remove person to fresh air and keep comfortable for breathing.</b>  P342 + P311 <b>If experiencing respiratory symptoms: Call a POISON CENTER/doctor/...</b> ...Manufacturer/supplier or the competent authority to specify the appropriate source of emergency medical advice.		P501 <b>Dispose of contents/container to...</b> ... in accordance with local/regional/national/international regulations (to be specified). Manufacturer/supplier or the competent authority to specify whether disposal requirements apply to contents, container or both.

**SENSITIZATION – SKIN**  
**(CHAPTER 3.4)**

<b>Symbol</b> Exclamation mark
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<b>Hazard category</b>	<b>Signal word</b>	<b>Hazard statement</b>
1, 1A, 1B	Warning	H317 May cause an allergic skin reaction

Precautionary statements			
Prevention	Response	Storage	Disposal
P261 <b>Avoid breathing dust/fume/gas/mist/vapours/spray.</b> <i>– may be omitted if P260 is given on the label</i> Manufacturer/supplier or the competent authority to specify applicable conditions.  P272 <b>Contaminated work clothing should not be allowed out of the workplace.</b>  P280 <b>Wear protective gloves.</b> Manufacturer/supplier or the competent authority may further specify type of equipment where appropriate.	P302 + P352 <b>IF ON SKIN: Wash with plenty of water/...</b> ... 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 <b>If skin irritation or rash occurs: Get medical advice/attention.</b> Manufacturer/supplier or the competent authority to select medical advice or attention as appropriate.  P321 <b>Specific treatment (see ... on this label)</b> ... Reference to supplemental first aid instruction. Manufacturer/supplier or the competent authority may specify a cleansing agent if appropriate.  P362 + P364 <b>Take off contaminated clothing and wash it before reuse.</b>		P501 <b>Dispose of contents/container to...</b> ... in accordance with local/regional/national/international regulations (to be specified). Manufacturer/supplier or the competent authority to specify whether disposal requirements apply to contents, container or both.

**GERM CELL MUTAGENICITY  
(CHAPTER 3.5)**

<p><b>Symbol</b> Health hazard</p>
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<b>Hazard category</b>	<b>Signal word</b>	<b>Hazard statement</b>
1	Danger	H340 May cause genetic defects <...>
2	Warning	H341 Suspected of causing genetic defects <...>  <...> <i>(state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard)</i>

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

**CARCINOGENICITY**  
**(CHAPTER 3.6)**

<b>Symbol</b> Health hazard
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Hazard category	Signal word	Hazard statement
1	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 <b>Obtain special instructions before use.</b>  P202 <b>Do not handle until all safety precautions have been read and understood.</b>  P280 <b>Wear protective gloves/protective clothing/eye protection/face protection.</b> Manufacturer/supplier or the competent authority to specify the appropriate type of equipment.	P308 + P313 <b>IF exposed or concerned: Get medical advice/attention.</b> Manufacturer/supplier or the competent authority to select medical advice or attention as appropriate.	P405 <b>Store locked up.</b>	P501 <b>Dispose of contents/container to...</b> ... in accordance with local/regional/national/international regulations (to be specified). Manufacturer/supplier or the competent authority to specify whether disposal requirements apply to contents, container or both.

**REPRODUCTIVE TOXICITY  
(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 <b>Obtain special instructions before use.</b> P202 <b>Do not handle until all safety precautions have been read and understood.</b> P280 <b>Wear protective gloves/protective clothing/eye protection/face protection.</b> Manufacturer/supplier or the competent authority to specify the appropriate type of equipment.	P308 + P313 <b>IF exposed or concerned: Get medical advice/attention.</b> Manufacturer/supplier or the competent authority to select medical advice or attention as appropriate.	P405 <b>Store locked up.</b>	P501 <b>Dispose of contents/container to...</b> ... in accordance with local/regional/national/international regulations (to be specified). Manufacturer/supplier or the competent authority to specify whether disposal requirements apply to contents, container or both.

**REPRODUCTIVE TOXICITY**  
**(CHAPTER 3.7)**  
**(effects on or via lactation)**

<b>Symbol</b> <i>No symbol</i>
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<b>Hazard category</b> <i>(additional)</i>	<b>Signal word</b> <i>No signal word</i>	<b>Hazard statement</b> H362      May cause harm to breast-fed children
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Precautionary statements			
Prevention	Response	Storage	Disposal
P201 <b>Obtain special instructions before use.</b> P260 <b>Do not breathe dusts or mists.</b> <i>– if inhalable particles of dusts or mists may occur during use.</i> P263 <b>Avoid contact during pregnancy and while nursing.</b> P264 <b>Wash ... thoroughly after handling.</b> <i>...Manufacturer/supplier or the competent authority to specify parts of the body to be washed after handling.</i> P270 <b>Do not eat, drink or smoke when using this product.</b>	P308 + P313 <b>IF exposed or concerned: Get medical advice/attention.</b> Manufacturer/supplier or the competent authority to select medical advice or attention as appropriate.		

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



**SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE)  
(CHAPTER 3.8)**

<b>Symbol</b> Health hazard
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<b>Hazard category</b> 2	<b>Signal word</b> Warning	<b>Hazard statement</b> 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)
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Precautionary statements			
Prevention	Response	Storage	Disposal
P260 <b>Do not breathe dust/fume/gas/mist/ vapours/spray.</b> Manufacturer/supplier or the competent authority to specify applicable conditions.  P264 <b>Wash ... thoroughly after handling.</b> ...Manufacturer/supplier or the competent authority to specify parts of the body to be washed after handling.  P270 <b>Do not eat, drink or smoke when using this product.</b>	P308 + P311 <b>IF exposed or concerned: Call a POISON CENTER/doctor/...</b> ...Manufacturer/supplier or the competent authority to specify the appropriate source of emergency medical advice.	P405 <b>Store locked up.</b>	P501 <b>Dispose of contents/container to...</b> ... in accordance with local/regional/national/international regulations (to be specified). Manufacturer/supplier or the competent authority to specify whether disposal requirements apply to contents, container or both.

**SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE)  
(CHAPTER 3.8)**

<b>Symbol</b> Exclamation mark
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Hazard category	Signal word	Hazard statement
3	Warning	H335      May cause respiratory irritation; or H336      May cause drowsiness or dizziness

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

**SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE)  
(CHAPTER 3.9)**

<b>Symbol</b> Health hazard
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<b>Hazard category</b>	<b>Signal word</b>	<b>Hazard statement</b>
1	Danger	H372 Causes damage to organs <...> through prolonged or repeated exposure <<...>> <...> <i>(state all organs affected, if known)</i> <<...>> <i>(state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard)</i>



Precautionary statements			
Prevention	Response	Storage	Disposal
P260 <b>Do not breathe dust/fume/gas/mist/ vapours/spray.</b> Manufacturer/supplier or the competent authority to specify applicable conditions. P264 <b>Wash ... thoroughly after handling.</b> ...Manufacturer/supplier or the competent authority to specify parts of the body to be washed after handling. P270 <b>Do not eat, drink or smoke when using this product.</b>	P314 <b>Get medical advice/attention if you feel unwell.</b> Manufacturer/supplier or the competent authority to select medical advice or attention as appropriate.		P501 <b>Dispose of contents/container to...</b> ... in accordance with local/regional/national/international regulations (to be specified). Manufacturer/supplier or the competent authority to specify whether disposal requirements apply to contents, container or both.

**SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE)  
(CHAPTER 3.9)**

<b>Symbol</b> Health hazard
--------------------------------



<b>Hazard category</b>	<b>Signal word</b>	<b>Hazard statement</b>
2	Warning	<p>H373 May cause damage to organs &lt;...&gt; through prolonged or repeated exposure &lt;&lt;...&gt;&gt;</p> <p>&lt;...&gt; <i>(state all organs affected, if known)</i></p> <p>&lt;&lt;...&gt;&gt; <i>(state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard)</i></p>

Precautionary statements			
Prevention	Response	Storage	Disposal
P260 <b>Do not breathe dust/fume/gas/mist/vapours/spray.</b> Manufacturer/supplier or the competent authority to specify applicable conditions.	P314 <b>Get medical advice/attention if you feel unwell.</b> Manufacturer/supplier or the competent authority to select medical advice or attention as appropriate.		P501 <b>Dispose of contents/container to...</b> ... in accordance with local/regional/national/international regulations (to be specified). Manufacturer/supplier or the competent authority to specify whether disposal requirements apply to contents, container or both.

**ASPIRATION HAZARD  
(CHAPTER 3.10)**

<b>Symbol</b> Health hazard
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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 <b>IF SWALLOWED: Immediately call a POISON CENTER/ doctor/...</b> ...Manufacturer/supplier or the competent authority to specify the appropriate source of emergency medical advice.  P331 <b>Do NOT induce vomiting.</b>	P405 <b>Store locked up.</b>	P501 <b>Dispose of contents/container to...</b> ... in accordance with local/regional/national/international regulations (to be specified). Manufacturer/supplier or the competent authority to specify whether disposal requirements apply to contents, container or both.

**HAZARDOUS TO THE AQUATIC ENVIRONMENT – SHORT-TERM (ACUTE) HAZARD  
(CHAPTER 4.1)**

<b>Symbol</b> Environment
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<b>Hazard category</b>	<b>Signal word</b>	<b>Hazard statement</b>
1	Warning	H400 Very toxic to aquatic life



Precautionary statements			
Prevention	Response	Storage	Disposal
P273 <b>Avoid release to the environment.</b> <i>– if this is not the intended use.</i>	P391 <b>Collect spillage.</b>		P501 <b>Dispose of contents/container to...</b> ... in accordance with local/regional/national/international regulations (to be specified). Manufacturer/supplier or the competent authority to specify whether disposal requirements apply to contents, container or both.

**HAZARDOUS TO THE AQUATIC ENVIRONMENT – SHORT-TERM (ACUTE) HAZARD  
(CHAPTER 4.1)**

<b>Symbol</b> <i>No symbol</i>
-----------------------------------

<b>Hazard category</b>	<b>Signal word</b>	<b>Hazard statement</b>
2	<i>No signal word</i>	H401 Toxic to aquatic life
3	<i>No signal word</i>	H402 Harmful to aquatic life

<b>Precautionary statements</b>			
<b>Prevention</b>	<b>Response</b>	<b>Storage</b>	<b>Disposal</b>
P273 <b>Avoid release to the environment.</b> <i>– if this is not the intended use.</i>			P501 <b>Dispose of contents/container to...</b> ... in accordance with local/regional/national/international regulations (to be specified). Manufacturer/supplier or the competent authority to specify whether disposal requirements apply to contents, container or both.

**HAZARDOUS TO THE AQUATIC ENVIRONMENT – LONG-TERM (CHRONIC) HAZARD  
(CHAPTER 4.1)**

<b>Symbol</b> Environment
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<b>Hazard category</b>	<b>Signal word</b>	<b>Hazard statement</b>
1	Warning	H410 Very toxic to aquatic life with long lasting effects
2	<i>No signal word</i>	H411 Toxic to aquatic life with long lasting effects

<b>Precautionary statements</b>			
<b>Prevention</b>	<b>Response</b>	<b>Storage</b>	<b>Disposal</b>
P273 <b>Avoid release to the environment.</b> <i>– if this is not the intended use.</i>	P391 <b>Collect spillage.</b>		P501 <b>Dispose of contents/container to...</b> ... in accordance with local/regional/national/international regulations (to be specified). Manufacturer/supplier or the competent authority to specify whether disposal requirements apply to contents, container or both.



**HAZARDOUS TO THE AQUATIC ENVIRONMENT – LONG-TERM (CHRONIC) HAZARD  
(CHAPTER 4.1)**

<b>Symbol</b> <i>No symbol</i>
-----------------------------------

<b>Hazard category</b>	<b>Signal word</b>	<b>Hazard statement</b>
3	<i>No signal word</i>	H412 Harmful to aquatic life with long lasting effects
4	<i>No signal word</i>	H413 May cause long lasting harmful effects to aquatic life

<b>Precautionary statements</b>			
<b>Prevention</b>	<b>Response</b>	<b>Storage</b>	<b>Disposal</b>
P273 <b>Avoid release to the environment.</b> <i>– if this is not the intended use.</i>			P501 <b>Dispose of contents/container to...</b> ... in accordance with local/regional/national/international regulations (to be specified). Manufacturer/supplier or the competent authority to specify whether disposal requirements apply to contents, container or both.

**HAZARDOUS TO THE OZONE LAYER  
(CHAPTER 4.2)**

<b>Symbol</b> Exclamation mark
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<b>Hazard category</b>	<b>Signal word</b>	<b>Hazard statement</b>
1	Warning	H420 Harms public health and the environment by destroying ozone in the upper atmosphere

Precautionary statements			
Prevention	Response	Storage	Disposal
			P502 Refer to manufacturer or supplier for information on recovery or recycling

## Annex 3

### Section 4

## CODIFICATION OF PICTOGRAMS

### A3.4.1 Introduction

A3.4.1.1 *Pictogram* means a graphical composition that may include a symbol plus other graphic elements, such as a border, background pattern or colour that is intended to convey specific information.

A3.4.1.2 This section contains the recommended code assigned to each of the pictograms prescribed by the GHS for sectors other than transport.










A3.4.1.3 The pictogram code is intended to be used for references purposes. It is not part of the pictogram and should not appear on labels or in section 2 of the safety data sheet.

### A3.4.2 Codification of pictograms

A3.4.2.1 GHS pictograms for sectors other than transport are assigned a unique alphanumerical code as follows:

- (a) the letters “GHS”; and
- (b) a sequential number “01”, “02”, “03” etc. assigned in accordance with Table A3.4.1 below.

**Table A3.4.1**

Code	Hazard pictogram	Symbol
GHS01		Exploding bomb
GHS02		Flame
GHS03		Flame over circle
GHS04		Gas cylinder
GHS05		Corrosion
GHS06		Skull and crossbones
GHS07		Exclamation mark
GHS08		Health hazard
GHS09		Environment



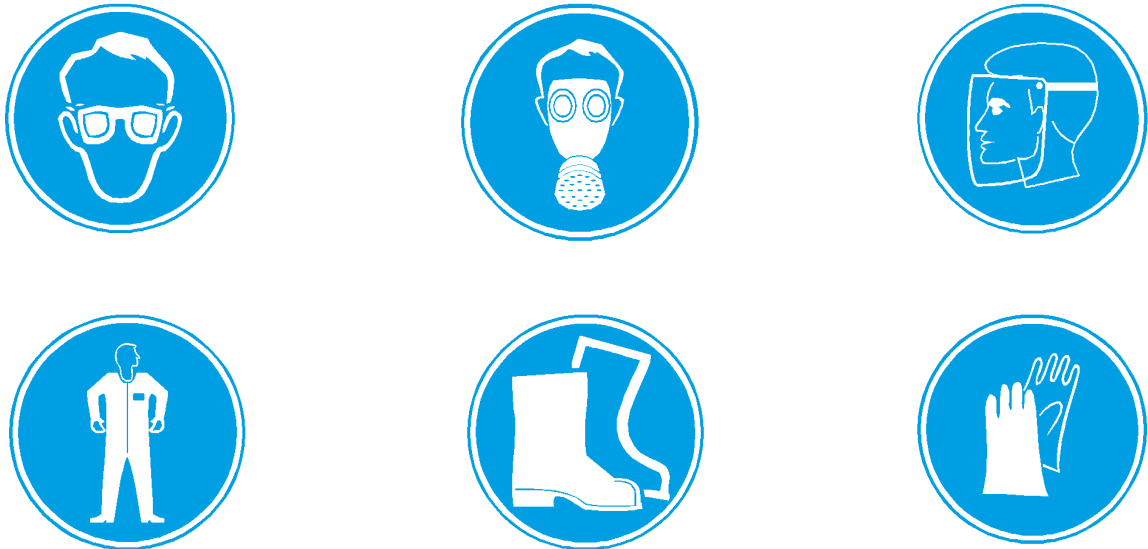
## Annex 3

### Section 5

#### EXAMPLES OF PRECAUTIONARY PICTOGRAMS

##### A3.5.1 Precautionary pictograms

From European Union (Council Directive 92/58/EEC of 24 June 1992)



From South African Bureau of Standards (SABS 0265:1999)

