

---

## COMMITTEE OF EXPERTS ON THE TRANSPORT OF DANGEROUS GOODS AND ON THE GLOBALLY HARMONIZED SYSTEM OF CLASSIFICATION AND LABELLING OF CHEMICALS

Sub-Committee of Experts on the Globally  
Harmonized System of Classification  
and Labelling of Chemicals

Seventeenth session,  
Geneva, 29 June – 1 July 2009  
Item 2 (d) of the provisional agenda

### UPDATING OF THE GLOBALLY HARMONIZED SYSTEM OF CLASSIFICATION AND LABELLING OF CHEMICALS

#### Revision of Annexes 1, 2 and 3 of the GHS – Precautionary Statements

Transmitted by the expert from the United Kingdom on behalf of  
the informal correspondence group

#### Introduction

1. At its sixteenth session (December 2008), the Subcommittee approved the continuing work plan for the informal correspondence group (CG) on the improvement of Annexes 1, 2, and 3 of the GHS (see document ST/SG/AC.10/C.4/2008/CRP.3/Add.5). This stated that the group would:

“Pursue work to further improve Annexes 1, 2 and 3 of the GHS. The correspondence group will work on the following work streams, with the first given priority:

Workstream 1: to develop proposals to rationalize and improve the usability of hazard and precautionary statements, including proposals to eliminate redundancies among these statements

Workstream 2: to improve the presentation of Annexes 1 to 3 of the GHS, taking into account the intended audiences, uses and purposes of the GHS.”

2. This information document aims to make progress within workstream 1 by presenting a number of suggestions to edit and rationalise the current list of GHS precautionary statements (PS).

3. The paper also sets out proposals for some changes to the PS for physical hazards which have been put forward by CEFIC. The two sets of suggested changes are presented together with a view to ensuring that the overall set of amendments agreed to the PS are consistent and complementary.

4. An earlier version of these proposals (not including the CEFIC proposals) was presented to the Subcommittee in information document UN/SCEGHS/15/INF.26. The proposals have since been discussed within the informal CG by email and at the break-out meetings of the group at the 15<sup>th</sup> and 16<sup>th</sup> sessions. Most recently comments have been received from the CG on a draft of this document circulated in May 2009, which included the CEFIC proposals. The present document has been revised to take into account the comments and feedback received during these discussions, however the proposals remain in

development and are subject to further discussion and agreement within the informal CG prior to submission of a formal proposal. The purpose of this information document is therefore to give an update to the Subcommittee on the work being carried out by the CG and, acknowledging the limited time for scrutiny before the plenary meeting of the Subcommittee, to seek its feedback on the proposals in their current form.

5. Subject to the subcommittee's views, the informal CG will continue work on the proposals with a view to submitting a working document for the December 2009 meeting.

### **Proposals for rationalisation of GHS precautionary statements**

6. Presently there are a number of factors limiting the usability of the GHS PS:

- (a) A high number of PS may be triggered for a substance or mixture, even with a relatively simple classification. Including all the statements triggered for a given chemical would arguably confuse the user and reduce the effectiveness of hazard and safety communication.
- (b) Selection of appropriate PS by manufacturers and suppliers can be difficult when a large number are triggered.
- (c) Different hazard classifications trigger similar but different PS, leading to arguably unnecessary small differences between precautionary measures recommended in different circumstances.

7. Given the number and relatively unstructured nature of the existing PS, there is substantial scope for reducing both the overall number of PS and the amount of precautionary "wordage" that must appear on labels, without reducing the essential precautionary information given on labels.

8. This paper includes proposals which aim to achieve this through making editorial amendments to the current list of PS. Proposals are also included to rephrase statements where they are currently unclear or confusing.

### **Example 1**

9. Currently there are a few cases where very similar precautionary statements are given within the Prevention and Storage categories. For example, the following statements appear:

P220 Keep/store away from clothing/.../combustible materials  
P420 Store away from other materials

10. The precautionary behaviour prescribed by these two statements is essentially the same (to keep the chemical in question away from various other materials). Therefore, the statements could be replaced with one single statement without loss of protection:

P220 Keep/Store away from clothing/.../combustible materials/other materials

11. This statement gives the manufacturer/supplier or competent authority the flexibility to specify, as appropriate, the materials that the chemical needs to be kept away from.

12. It is also proposed to include some additional guidance in the 'conditions for use' column to clarify the use of the words 'keep' and 'store'. It is suggested that 'keep' should be used when the

chemical should be kept away from the specified materials at all times, whereas ‘store’ should be used only when this precaution applies to storage.

**Example 2**

13. Currently the Prevention category contains the following two statements:

- P280 Wear protective gloves/protective clothing/eye protection/face protection.
- P281 Use personal protective equipment as required

14. P280 applies to several hazard categories, and for each of these guidance is given in the ‘conditions for use’ column as to which specific type of equipment should be specified by the manufacturer/supplier or competent authority (e.g. ‘specify face protection’ for Explosives, divisions 1.1-1.5). No further guidance is given for application of P281, which applies to unstable explosives and CMR categories 1A, 1B and 2.

15. Given the similarity between these statements, rationalisation could be achieved by replacing them with a single statement:

P280 Wear protective gloves/protective clothing/eye protection/face protection/...

16. Where specific guidance is currently given as to the type of equipment to be specified in P280 this should be retained in its current form for the relevant hazard categories. In the case of the categories to which P281 applies, it is proposed that the general direction ‘manufacturer/supplier or the competent authority to specify type of equipment’ should be added to retain the current flexibility of this statement. Adding the ellipsis ‘...’ to this statement would also indicate that further types of personal protective equipment may be required for these hazard categories other than those specifically mentioned.

**Example 3**

17. The current list of PS includes six statements recommending that a user seek medical attention in different circumstances:

	<b>Current precautionary statements</b>		<b>Suggested precautionary statements</b>
P310	Immediately call a POISON CENTER or doctor/physician	P310*	Immediately call a POISON CENTER/ <del>or</del> doctor/physician/...
P311	Call a POISON CENTER or doctor/physician	P311*	Call a POISON CENTER/ <del>or</del> doctor/physician/...
P312	Call a POISON CENTER or doctor/physician if you feel unwell	P312*	Call a POISON CENTER/ <del>or</del> doctor/physician/... if you feel unwell
P313	Get medical advice/attention		
P314	Get medical advice/attention if you feel unwell		
P315	Get immediate medical advice/attention		

18. Although phrased slightly differently, the basic advice being given here – to seek medical attention from an appropriate source – is the same in relation to P310-P312 and P313-P315, with differences within these two groups of statements indicating different degrees of urgency. This suggests that a single set of three statements could be used instead of the current six.

19. It is also necessary to take into account that the appropriate source of 'front line' medical advice will differ in different jurisdictions. In some regions and countries Poison Centers or Poison Control Centers will be the appropriate first point of contact for workers or consumers, whereas in others Poison Centers only provide advice to medical professionals, and consumers and workers should seek advice from a different source. Therefore, while there is scope for reducing the number of PS of this type, adequate flexibility is needed to take into account different arrangements for seeking medical advice or attention which may be in place.

20. It is therefore suggested that three statements, P310\*-P312\* are used as listed in the right hand column above. These statements would apply to all the categories to which P310-P312 and P313-P315 currently apply – P310\* would take over the hazard categories to which P310 and P313 currently applies, and so on. They would also replace P310-P312 and P313-P315 in combined PS, as appropriate. Use of the slash '/' indicates that the manufacturer/supplier or competent authority should specify the appropriate source of first line medical advice, depending on the nature of the hazard and the way that the relevant services are organised locally.

21. It is also suggested that text be placed in the column (5) where these statements apply stating that 'manufacturer/supplier or the competent authority to specify the appropriate source of medical advice'.

22. However it is recognised that in some cases more than one possible source of medical attention may be appropriate in relation to a single product or chemical. In this case, the generic statement 'Get medical advice/attention' or 'get immediate medical advice/attention' may be appropriate. These statements are therefore mentioned as options in the 'conditions for use' column.

23. The advantages of this rationalisation would be three-fold: first to reduce the overall number of PS; second, to avoid any confusion which could arise from differences in instructions about the type of medical attention to be obtained in different situations; and third to give flexibility for statements which reflect the arrangements in any country or region to be selected as appropriate.

#### **Amendments to physical precautionary statements**

24. In addition some amendments are proposed to the precautionary statements for physical hazards with a view to rationalising and clarifying the conditions of application for these statements.

#### **Organic Peroxides and Self-reactive substances**

25. The hazardous properties of organic peroxides and self-reactive substances are more or less the same. In GHS the classification principles, classification flow-chart and tests to be executed are also identical as well as the breakdown of Types A-G. Furthermore, types A-G of organic peroxides and self-reactive substances have the same hazardous properties description. Therefore it is proposed to harmonise the precautionary statements for these two hazard classes.

26. To achieve this it is proposed to apply the following additional precautionary statements to Organic peroxides:

**P370 + P380 + P375: In case of fire: Evacuate area. Fight fire remotely due to the risk of explosion.** (types A and B only)

**P403: Store in a well-ventilated place.** (types A, B, C, D, E, F)

27. The following precautionary statement would also apply in addition to Self-reactive substances and mixtures (Types A, B, C, D, E, F).

**P410: Protect from sunlight**

28. Finally, the statement P370 + P378: **In case of fire: Use ... for extinction**, has been removed from the precautionary statements for self-reactive substances together with the note, "Manufacturer /supplier of the competent authority to specify appropriate media. – *if water increases risk*". This is because water can always be used for extinction with chemicals within these hazard classes since in no case do they react with water. Moreover, water would in all cases be the recommended means to extinguish such fires because of its cooling capacity and ability to significantly reduce the effect of the decomposition of the materials.

#### Gases under pressure

29. Precautionary statement P410, "Protect from sunlight" is currently assigned to compressed gases, liquefied gases and dissolved gases within hazard class 2.5.

30. The risk of increasing the internal pressure of a gas receptacle up to its test pressure or of having it liquid full because of its exposure to sunshine does not exist at certain latitudes but may exist at others. This requirement may be completely irrelevant in northern countries but could make sense in certain southern countries.

31. Therefore it is proposed to add the following note under 'conditions of use' for this statement: "*- To be used in countries where the likelihood exists for the content of the receptacle to exceed 60°C if the receptacle is not protected from sunshine.*"

32. The criterion of 60°C is taken from the criteria to determine the maximum filling ratio for liquefied gases in P200 (3)(c) of the UNRTDG (the Orange Book): "*.....in addition the liquid phase shall not fill the pressure receptacles at any temperature up to 60°C.*" This criterion gives a safety margin versus the other criteria of P200 that limits the internal pressure at 65°C below the test pressure of the receptacle.

#### Flammable liquids/gases, explosives, organic peroxides

33. Amendments as shown in Annex 2 are proposed for the following reasons:

34. In some cases the list of hazard classes or categories to which a precautionary statement has to be applied was incomplete (e.g. explosives are not mentioned for P234 "Keep only in original container" although their classification is linked to a certain packaging through the division assignment procedure).

35. In some cases conditions for use are added or further refined, respectively.

#### Numbering issues

36. In light of the proposed changes to PS, a decision is needed on how the alphanumeric coding of PS should be adapted to take these into account. Three options for this have been considered:

**Option 1:** Re-order numbering after changes so that the numbering remains sequential within each group of PS (groups being P20X, P21X, etc.). For example, if P307 is deleted as suggested above, the current P308 (**IF exposed or concerned:**) would be renumbered P307, and the current P309 (**IF exposed or if you feel unwell:**) would be renumbered P308. Aside from this, edited PS retain their existing numbering.

**Option 2:** Edited PS retain their existing numbering, and other statements retain the same numbering as they currently have where possible. However, entirely new PS would be given a new number.

**Option 3:** Unchanged PS retain the same numbering, but any changed statements are given a new number.

37. The advantages and disadvantages of each option are summarised below.

<b>Option</b>	<b>Advantages</b>	<b>Disadvantages</b>
1	There will be no gaps in numbering after the PS have been edited – numbering remains sequential within each group of PS.	Many statements may need to be given a new number to retain sequential numbering, even though they have not changed in any way. Users may find this confusing.
2	Numbering of statements can stay in the same grouped format provided the number of new statements does not increase substantially (since little need for new numbers)  Statements for which there are only minor editorial changes retain the same numbers, facilitating cross-referencing between versions of the GHS.	Some gaps will appear in numbering where statements have been removed.  Some statements will change in wording while retaining the same number, which could cause confusion where there is use of different editions of the GHS.
3	Statements which retain the same numbering will have exactly the same wording in different editions of the GHS.	There will now be numerous gaps in the numbering as any statement that is edited will require an entirely new number.  Continued use of the existing numbering groups may not be possible, since a large number of new numbers will be needed, especially in future if further editorial amendments are made to the PS.

38. In view of the above considerations, option 2 is recommended as involving the best combination of maintaining existing numbering where possible while avoiding confusion due to the same numbers being assigned to different statements. However, the views of the subcommittee are welcomed on this issue.

### **Summary of annexes**

39. A summary of the Annexes to this document is given below:

- Annex 1 – List of suggested editorial changes to precautionary statements with brief explanations
- Annex 2 – List of suggested changes to physical precautionary statements
- Annex 3 – Suggested changes to tables A3.2.1, A3.2.2, A3.2.3, A3.2.4 (markup showing changes)
- Annex 4 – ‘Clean’ copy of tables A3.2.1, A3.2.2, A3.2.3, A3.2.4, incorporating all proposed changes
- Annex 5 – Suggested changes to the tables in A3.3.5 (marked up)

### **Next steps**

40. Information document UN/SCEGHS/16/INF.24 informed the subcommittee that the informal correspondence group are considering, in addition to editorial changes to the PS, a number of further approaches to rationalising the PS in Annex 3 of the Purple Book. These include:

- (a) Combination of precautionary statements;
- (b) Re-grouping of precautionary statements;
- (c) Guidance for selection of precautionary statements;
- (d) An 'order of preference' for precautionary statements;
- (e) Use of 'signpost' statements which refer to more detailed precautionary information located other than on the label;

41. Taking into account document UN/SCEGHS/16/INF.20 (Canada) the informal correspondence group informally agreed to consider the above approaches in the order listed above. Other approaches to rationalisation of the precautionary statements will also be considered as appropriate and suggestions from the subcommittee are welcomed. The informal correspondence group aims to bring forward further proposals based on these approaches at subsequent Subcommittee meetings.

42. It was agreed at the December 2008 meeting of the Subcommittee that the correspondence group should also take forward work on Workstream 2, to improve the presentation of Annexes 1 to 3 of the GHS, although Workstream 1 (rationalisation/reduction in redundancy of PS) should be given priority. It is therefore the intention of the correspondence group to take forward work on Workstream 2 once satisfactory progress has been made within Workstream 1.

### **Action requested of the subcommittee**

43. The Subcommittee is invited to:

- (a) Comment on the proposals to rationalise precautionary statements given in paragraphs 5. – 22. and Annex 1, 3, 4 and 5;
- (b) Comment on the proposals to rationalise and amend the physical precautionary statements given in paragraphs 23. – 34. and Annex 2, 3, 4 and 5;
- (c) Comment on the proposal for re-numbering the PS in light of the changes, given in paragraphs 35.- 37.

**Annex 1:**  
**List of suggested changes to precautionary statements with brief explanations (Rationalisation)**

Code	Statement	Issue	Suggested change
P101	If medical advice is needed, have product container or label at hand	None	None
P102	Keep out of reach of children	None	None
P103	Read label before use	Redundant – odd advice	Replace with: <b>Read entire label before use</b>
P201 P202	Obtain special instructions before use Do not handle until all safety precautions have been read and understood.	P201 not clear, and seems to be redundancy between the statements.	Replace with: <b>Do not handle until all safety precautions have been read and understood</b>
P210	Keep away from heat/sparks/open flames/hot surfaces. – No smoking.	None	None
P211	Do not spray on an open flame or other ignition source	None	None
P220 P420	Keep/store away from clothing/.../combustible materials Store away from other materials	Apparent redundancy, though P220 is prevention, and P420 Storage at present.	Replace by single statement: <b>Keep/Store away from clothing/.../other materials/combustible materials.</b> Manufacturer to specify incompatible materials and whether ‘keep’ or ‘store’. - ‘keep’ should be used when the chemical should be kept away from the specified materials at all times, whereas ‘store’ should be used when this precaution only applies to storage
P221	Take any precaution to avoid mixing with combustibles/...	‘any precaution’ is not clear and seems redundant.	Replace with: <b>Do not mix with combustibles</b>
P222	Do not allow contact with air	None	None
P223	Keep away from any possible contact with water, because of violent reaction and possible flash fire	None	None
P230	Keep wetted with...	None	None
P231	Handle under inert gas	None	None
P422	Store contents under...	None	None
P232	Protect from moisture	None	None



**Annex 1:**

**List of suggested changes to precautionary statements with brief explanations (Rationalisation) (cont'd)**

<b>Code</b>	<b>Statement</b>	<b>Issue</b>	<b>Suggested change</b>
P233 P404	Keep container tightly closed Store in a closed container	Redundancy, though P233 is prevention and P404 is storage. In some cases, (e.g. Acute toxicity, inhalation cat 1) P233 comes under storage as combination statement P403+P233	Delete P404 and replace with modified P233, 'Keep <del>container</del> <b>in a tightly closed container</b> '. This covers relevant precaution for substances and mixtures which, in contact with water, emit hazardous gases, which is the only hazard category to which P404 applies.
P234	Keep only in original container	None	None
P235	Keep cool	None	None
P240	Ground/bond container and receiving equipment	None	None
P241	<b>Use explosion-proof electrical/ventilating/lighting/.../equipment</b>	Any equipment used (electrical or non-electrical) should be explosion proof, so could be shorter	Instead use 'Use explosion proof ... equipment'. May also specify that manufacturer/supplier or the competent authority to specify equipment.
P242	Use only non-sparking tools	None	None
P243	Take precautionary measures against static discharge	None	None
P244	Keep reduction valves free from grease and oil.	Reduction valves': it is not clear and this statement should apply to all equipment that comes into contact with oxidizing gases	Replace with: Keep cylinder valves and pressure regulators free from grease and oil.
P250	Do not subject to grinding/shock/friction	None	None
P260 P261	Do not breathe dust/fume/gas/mist/vapours/spray Avoid breathing dust/fume/gas/mist/vapours/spray	Redundancy – same action required. 'Do not create dust' etc. would also be more appropriate than 'do not breathe...' in some situations, where this is practicable.	Delete P261 – replace with single statement, <b>Do not create/ breathe dust/fume/gas/mist/vapours/ spray</b> . Manufacturer supplier should specify practicable precaution as well as applicable conditions.
P262	Do not get in eyes, on skin, or on clothing	None	None
P263	Avoid contact during pregnancy/ while nursing	None	None
P264	Wash... thoroughly after handling	None	None
P270	Do not eat/drink or smoke when using this product	None	None
P271	Use only outdoors in a well-ventilated area	None	None
P272	Contaminated work clothing should not be allowed out of the workplace.	None	None

**Annex 1:**  
**List of suggested changes to precautionary statements with brief explanations (Rationalisation) (cont'd)**

Code	Statement	Issue	Suggested change
P273	Avoid release to the environment	None	None
P280 P281	Wear protective gloves/protective clothing/eye protection/face protection Use personal protective equipment as required	Redundancy	Replace with one statement: <b>Wear protective gloves/protective clothing/face protection...</b> Manufacturer/supplier or the competent authority to specify appropriate personal protective equipment.
P282	Wear cold insulating gloves/face shield/eye protection	No change	No change
P283	Wear fire/flame resistant/retardant clothing	No change	No change
P284 P285	Wear respiratory protection In case of inadequate ventilation wear respiratory protection	Redundancy. Also, not clear why P285 appropriate for respiratory sensitisers only rather than P284 – it is also a lot less simple than P284 and it may be difficult for users to judge whether there is ‘adequate’ ventilation.	Replace P285 with P284: <b>Wear respiratory protection.</b>
P301 P302 P303 P304 P305 P306	IF SWALLOWED: IF ON SKIN: IF ON SKIN (or hair): IF INHALED: IF IN EYES: IF ON CLOTHING:	Some redundancy between P302 and P303	Delete P302 (use P303 instead).
P307 P308 P309	IF exposed: IF exposed or concerned: IF exposed or if you feel unwell:	Some redundancy. However may want to retain P308 for CMRs and separate PS for cat 1 and 2 STOT.	Replace P309 with <b>IF you feel unwell:</b>
P310 P311 P312 P313 P314 P315	Immediately call a POISON CENTER or doctor/physician Call a POISON CENTER or doctor/physician Call a POISON CENTER or doctor/physician if you feel unwell Get medical advice/attention Get medical advice/attention if you feel unwell Get immediate medical advice/attention	Redundancy, esp. as regards 310-312 and 313-315. Not all jurisdictions have Poison Centres which can be called by workers/ members of the public. Need flexibility for manufacturers/suppliers to specify source of first line medical advice.	Use only: P310 <b>Immediately call a POISON CENTER/<del>or</del> doctor/physician/...</b> , P311 <b>Call a POISON CENTER/<del>or</del> doctor/physician/...</b> and <b>Call a POISON CENTER/<del>or</del> doctor/physician/... if you feel unwell.</b> Add note in column 5, “manufacturer/supplier or the competent authority to specify the appropriate source of medical advice.” Also add note in column 5 that ‘The statement “Get immediate medical advice/attention” may be used on labels where more than one possible source of medical attention is available’.

### Annex 1:

#### List of suggested changes to precautionary statements with brief explanations (Rationalisation) (cont'd)

Code	Statement	Issue	Suggested change
P320 P321 P322	Specific treatment is urgent (see ... on this label) Specific treatment (see ... on this label) Specific measures (see ... on this label)	Redundancy. Urgency will be indicated by P310 and P311 – i.e. P320 only applies to acute tox cat 1,2 – this is also given P310. No real difference between ‘treatment’ and ‘measures’.	Replace with <b>specific treatment (see ... on this label)</b> .
P330	Rinse mouth	None	None
P331	Do NOT induce vomiting	None	None
P332 P333	If skin irritation occurs If skin irritation or rash occurs	P332 is redundant	Replace with: P333 <b>If skin irritation or rash occurs</b>
P334	Immerse in cool water/wrap in wet bandages	None	None
P335	Brush off loose particles from skin	None	None
P336	Thaw frosted parts with lukewarm water. Do not rub affected area.	None	None
P337	If eye irritation persists:	None	None
P338	Remove contact lenses, if present and easy to do. Continue rinsing.	None	None
P340 P341 P342	Remove victim to fresh air and keep at rest in a position comfortable for breathing If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing. If experiencing respiratory symptoms:	P341 and P342 only apply to respiratory sensitisation cat 1, and the content can better be expressed in a combined precautionary statement which doesn't use P342. The word ‘victim’ is not ideal in this context – ‘individual’ is better.	Delete P342. Replace P341 with <b>If breathing is difficult, remove <del>victim</del> individual to fresh air and keep at rest in a position comfortable for breathing.</b> Instead of P342+P311, add P311 to combined statement P304+341 to form a single statement: <b>IF INHALED: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER/doctor/physician/...</b>
P350 P351 P352 P353	Gently wash with plenty of soap and water. Rinse cautiously with water for several minutes. Wash with plenty of soap and water Rinse skin with water/shower	Redundancy – though P351 should be kept separate as applies specifically to eyes. Soap may not always be available. Encouraging people to use “soap and water” could discourage quick action. Therefore, the PS should be modified to focus on using water.	Replace P350, P352 and P353 with: P352 <b>wash skin with plenty of water.</b>
P360	Rinse immediately contaminated clothing and skin with plenty of water before	None	None

**Annex 1:**  
**List of suggested changes to precautionary statements with brief explanations (Rationalisation) (cont'd)**

Code	Statement	Issue	Suggested change
	removing clothes		
P361	Remove/take off immediately all contaminated clothing	Redundancy, same can be accomplished with fewer statements. Removing contaminated clothing and washing before re-use go together (one action doesn't make sense without the other). No need to have both 'remove' and 'take off'.	Replace P361-P363 with: <b>P361: <del>Remove/Immediately</del> take off <del>immediately</del> all contaminated clothing. <u>Wash before reuse</u></b> <b>P362: Take off contaminated clothing. Wash before re-use.</b>
P362	Take off contaminated clothing and wash before reuse.		
P363	Wash contaminated clothing before reuse.		
P370	In case of fire:	None	None
P371	In case of major fire and large quantities	None	None
P372	Explosion risk in case of fire	None	None
P373	DO NOT fight fire when fire reaches explosives	None	None
P374	Fight fire with normal precautions from a reasonable distance.	None	None
P375	Fight fire remotely due to risk of explosion	None	None
P376	Stop leak if safe to do so	None	None
P377	Leaking gas fire: Do not extinguish, unless leak can be stopped safely	None	None
P378	Use... for extinction	'Extinction' not the clearest phrase here	Replace with <b>P378: Use ... to extinguish</b>
P380	Evacuate area	None	None
P381	Eliminate all ignition sources if safe to do so	None	None
P390	Absorb spillage to prevent material-damage	None	None
P391	Collect spillage	None	None
P401	Store...	None	None
P402	Store in a dry place	None	None
P403	Store in a well-ventilated place	None	None
P404	Store in a closed container	Redundancy with P233	Delete – see P233.
P405	Store locked up	None	None.
P406	Store in corrosive resistant/...container with a resistant inner liner.	None	None
P407	Maintain air gap between pallets	None	None

**Annex 1:**

**List of suggested changes to precautionary statements with brief explanations (Rationalisation) (*cont'd*)**

<b>Code</b>	<b>Statement</b>	<b>Issue</b>	<b>Suggested change</b>
P410	Protect from sunlight	None	None
P411	Store at temperatures not exceeding ...°C/...°F	None	None
P412	Do not expose to temperatures exceeding 50°C/122°F	None	None
P413	Store bulk masses greater than ...kg/...lbs at temperatures not exceeding ...°C/...°F	None	None
P420	Store away from other materials	Redundancy (P220)	Delete – see P220
P422	Store contents under...	Redundancy (P231)	Delete – see P422
P501	Dispose of contents/container to...	None	None

**Annex 2:**  
**Suggested changes to precautionary statements (amendments to physical hazard statements)**

Code	Prevention precautionary statements	Hazard class	Hazard category	Conditions for use
P234	<b>Keep only in original container</b>	<b><u>Explosives (chapter 2.1)</u></b>	<b><u>Unstable explosives and Divisions 1.1, 1.2, 1.3, 1.4, 1.5</u></b>	<b><u>For explosives, self-reactive substances and organic peroxides repackaging may result in a different hazard category</u></b>
		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	
		Substances and mixtures corrosive to metals (2.16)	1	
P240	<b>Ground/bond container and receiving equipment</b>	Explosives (chapter 2.1)	Divisions 1.1, 1.2, 1.3, 1.4, 1.5	- <i>if the explosive is electrostatically sensitive.</i>
		Flammable liquids (chapter 2.6)	1, 2, 3	<del>-if electrostatically sensitive material is for reloading</del> <del>-if product is volatile so as to generate hazardous atmosphere</del>
		Flammable solids (chapter 2.7)	1, 2	- <i>if electrostatically sensitive material is for reloading.</i>
P241	<b>Use explosion-proof electrical/ventilating/lighting... equipment</b>	Flammable liquids (chapter 2.6)	1, 2	...manufacturer/supplier or the competent authority to specify equipment
		Flammable liquids (chapter 2.6)	3	...manufacturer/supplier or the competent authority to specify equipment - <i>if product is volatile so as to generate hazardous atmosphere.</i>
		Flammable solids (chapter 2.7)	1, 2	...manufacturer/supplier or the competent authority to specify equipment - <i>if dust clouds can occur</i>
P242	<b>Use only non-sparking tools</b>	<b><u>Flammable gases (chapter 2.6)</u></b>	<b><u>1, 2</u></b>	<b><u>- if product is sensitive to mechanical sparks</u></b>
		Flammable liquids (chapter 2.6)	1, 2	
		Flammable liquids (chapter 2.6)	3	- <i>if product is volatile so as to generate hazardous atmosphere and sensitive to mechanical sparks</i>

**Annex 2:**  
**Suggested changes to precautionary statements (amendments to physical hazard statements) (cont'd)**

Code	Prevention precautionary statements	Hazard class	Hazard category	Conditions for use
P243	<b>Take precautionary measures against static discharge</b>	Flammable liquids (chapter 2.6)	1, 2	<u>- if material is electrostatically sensitive</u>
		Flammable liquids (chapter 2.6)	3	<u>- if product is volatile so as to generate hazardous atmosphere and electrostatically sensitive</u>
P370	<b>In case of fire:</b>	Explosives (chapter 2.1)	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	
	<b><u>Organic peroxides (chapter 2.15)</u></b>	<b><u>Types A, B, C, D, E, F</u></b>		
P372	<b>Explosion risk in case of fire</b>	Explosives (chapter 2.1)	Unstable explosives and Divisions 1.1, 1.2, 1.3, 1.4, 1.5	<i>- except if explosives are 1.4S AMMUNITION OR COMPONENTS THEREOF</i>
P373	<b>DO NOT fight fire when fire reaches explosives</b>	Explosives (chapter 2.1)	Unstable explosives and Divisions 1.1, 1.2, 1.3, 1.4, 1.5	<i>- <u>except if explosives are 1.4S</u></i>
P374	<b>Fight fire with normal precautions from a reasonable distance</b>	Explosives (chapter 2.1)	Division 1.4	<i>- <u>except if explosives are 1.4S AMMUNITION OR COMPONENTS THEREOF</u></i>

**Annex 2:**  
**Suggested changes to precautionary statements (amendments to physical hazard statements) (cont'd)**

Code	Prevention precautionary statements	Hazard class	Hazard category	Conditions for use
P375	<b>Fight fire remotely due to risk of explosion</b>	Self-reactive substances and mixtures (chapter 2.8)	Types A, B	
		Oxidizing liquids (chapter 2.13)	1	
		Oxidizing solids (chapter 2.14)	1	
		<b>Organic Peroxides (chapter 2.15)</b>	Types A, B	
P378	<b>Use ... <del>for extinction</del> <u>to extinguish</u></b>	Flammable liquids (chapter 2.6)	1, 2, 3, 4	Manufacturer/supplier or the competent authority to specify appropriate media - <i>if water increases risk</i>
		Flammable solids (chapter 2.7)	1, 2	
		<del>Self-reactive substances and mixtures (chapter 2.8)</del>	<del>Types A, B, C, D, E, F</del>	
		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	
P380	<b>Evacuate area</b>	Explosives (chapter 2.1)	Unstable explosives	<b>- <u>except if explosives are 1.4 S</u></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	
		Oxidising liquids (chapter 2.13)	1	
		Oxidising solids (chapter 2.14)	1	
		<b>Organic peroxides (chapter 2.15)</b>	<b>Types A, B</b>	
P370 + P378	<b>In case of fire: Use ... <del>for extinction</del> <u>to extinguish</u></b>	Flammable liquids (chapter 2.6)	1, 2, 3, 4	... Manufacturer/supplier to specify appropriate media. - <i>if water increases risk</i>
		Flammable solids (chapter 2.7)	1, 2	
		<del>Self-reactive substances and mixtures (chapter 2.8)</del>	<del>Types A, B, C, D, E, F</del>	
		Pyrophoric liquids (chapter 2.9)	1	
		Pyrophoric solids (chapter 2.10)	1	



**Annex 2:**  
**Suggested changes to precautionary statements (amendments to physical hazard statements) (cont'd)**

Code	Prevention precautionary statements	Hazard class	Hazard category	Conditions for use
		Substances and mixtures which, in contact with water, emit flammable gases (chapter 2.12)	1, 2, 3	
		Oxidising liquids (chapter 2.13)	1, 2, 3	
		Oxidising solids (chapter 2.14)	1, 2, 3	
		<b><u>Organic peroxides (chapter 2.15)</u></b>	<b><u>Types A, B, C, D, E, F</u></b>	
P370 + P380	<b>In case of fire: Evacuate area</b>	Explosives (chapter 2.1)	Divisions 1.1, 1.2, 1.3, 1.4, 1.5	<b><u>- except if explosives are 1.4 S</u></b>
P370 + P380 + P375	<b>In case of fire: Evacuate area. Fight fire remotely due to the risk of explosion.</b>	Self-reactive substances and mixtures (chapter 2.8)	Types A, B	
		<b><u>Organic peroxides (chapter 2.15)</u></b>	<b><u>Types A, B</u></b>	
P403	<b>Store in a well-ventilated place</b>	Flammable gases (chapter 2.2)	1, 2	
		Oxidising 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	
		Self-reactive substances and mixtures (chapter 2.8)	Types A, B, C, D, E, F	
		<b><u>Organic Peroxides (chapter 2.15)</u></b>	<b><u>Types A, B, C, D, E, F</u></b>	
		Acute toxicity, inhalation (chapter 3.1)	1, 2, 3	<i>- if product is volatile so as to generate a hazardous atmosphere</i>

**Annex 2:**  
**Suggested changes to precautionary statements (amendments to physical hazard statements) (cont'd)**

Code	Prevention precautionary statements	Hazard class	Hazard category	Conditions for use
		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	
P410	<b>Protect from sunlight</b>	Flammable aerosols (chapter 2.3)	1, 2	
		Gases under pressure (chapter 2.5)	Compressed gas	<b><i>- To be used in countries where the likelihood exists for the content of the receptacle to exceed 60°C if the receptacle is not protected from sunshine</i></b>
			Liquefied gas	
			Dissolved gas	
		<b><u>Self-reactive substances and mixtures (chapter 2.8)</u></b>	<b><u>Types A, B, C, D, E, F</u></b>	
Self-heating substances and mixtures (chapter 2.11)	1, 2			
		Organic peroxides (chapter 2.15)	Types A, B, C, D, E, F	
P403 + P235	<b>Store in a well-ventilated place. Keep cool</b>	Flammable liquids (chapter 2.6)	1, 2, 3, 4	
		Self-reactive substances and mixtures (chapter 2.8)	Types A, B, C, D, E, F	
		<b><u>Organic peroxides (chapter 2.15)</u></b>	<b><u>Types A, B, C, D, E, F</u></b>	

Annex 3:

Tables A3.2.1, A3.2.2, A3.2.3, A3.2.4 incorporating all proposed changes (marked up)<sup>1</sup>

Table A3.2.1 Codification of general precautionary statements

Code	Precautionary statement	Hazard class	Hazard category	Conditions for use
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 <u>entire</u> label before use</b>	As appropriate		Consumer products, <b><u>and others as appropriate</u></b>
<b>P104</b>	<b><u>Do not use until all safety precautions have been read and understood.</u></b>	<b><u>As appropriate</u></b>		<b><u>Consumer products, and others as appropriate</u></b>

Table A3.2.2: Codification of prevention precautionary statements

Code	Precautionary statement	Hazard class	Hazard category	Conditions for use
<del>P201</del>	<del>Obtain special instructions before use</del>			
P202	<b>Do not handle until all safety precautions have been read and understood</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	
		<b><u>Reproductive toxicity, effects on or via lactation (chapter 3.7)</u></b>	Additional category	
P210	<b>Keep away from heat/sparks/open flames/hot surfaces. – No smoking.</b>	No change		
P211	<b>Do not spray on an open flame or other ignition source</b>	No change		

<sup>1</sup> Throughout, additions are indicated in **bold underlined text**, and deletions in ~~strikethrough~~.

Annex 3 (cont'd)

Table A3.2.2: Codification of prevention precautionary statements (cont'd)

Code	Precautionary statement	Hazard class	Hazard category	Conditions for use
P220	<b>Keep/store away from clothing/.../other materials/combustible materials.</b>	Oxidizing gases (chapter 2.4)	1	Manufacturer/supplier or the competent authority to specify other incompatible materials. <b>- 'keep' should be used when the chemical should be kept away from the specified materials at all times, whereas 'store' should be used when this precaution only applies to storage</b>
		Self-reactive substances and mixtures (chapter 2.8)	Types A, B, C, D, E, F	
		<b><u>Self-heating substances and mixtures (chapter 2.11)</u></b>	<b>1, 2</b>	
		Oxidizing liquids (chapter 2.13)	2,3	
		Oxidizing solids (chapter 2.14)	2,3	
		Organic peroxides (chapter 2.15)	Types A, B, C, D, E, F	
		Oxidizing liquids (chapter 2.13)	1	
P221	<del>Take any precaution to avoid mixing with combustibles</del> <b><u>Do not mix with combustibles/...</u></b>	Oxidizing liquids (chapter 2.13)	1, 2, 3	Manufacturer/supplier or the competent authority to specify other incompatible materials.
		Oxidising solids (chapter 2.14)	1, 2, 3	
P222	<b>Do not allow contact with air</b>	No change		
P223	<b>Keep away from any possible contact with water, because of violent reaction and possible flash fire</b>	No change		
P230	<b>Keep wetted with...</b>	No change		
P231	<b><u>Handle under inert gas</u></b>	<b>No change</b>		
P232	<b>Protect from moisture</b>	No change		
P233	<b>Keep <del>in a container</del> tightly closed <u>container</u></b>	Flammable liquids (chapter 2.6)	1,2,3	
		<b><u>Substances and mixtures which, in contact with water, emit flammable gases (chapter 2.12)</u></b>	<b>1,2,3</b>	
		Acute toxicity, inhalation (chapter 3.1)	1,2,3	

Annex 3 (cont'd)

Table A3.2.2: Codification of prevention precautionary statements (cont'd)

Code	Precautionary statement	Hazard class	Hazard category	Conditions for use
		Specific target organ toxicity, single exposure; respiratory tract irritation (chapter 3.8)	3	
		Specific target organ toxicity, single exposure; narcotic effects (chapter 3.8)	3	
P234	Keep only in original container	<b><u>Explosives (chapter 2.1)</u></b>	<b><u>Unstable explosives and Divisions 1.1, 1.2, 1.3, 1.4, 1.5</u></b>	<b><u>For explosives, self-reactive substances and organic peroxides repackaging may result in a different hazard category</u></b>
		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	
		Substances and mixtures corrosive to metals (2.16)	1	
P235	Keep cool	No change		
P240	Ground/bond container and receiving equipment	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	<del>if electrostatically sensitive material is for reloading</del> <del>if product is volatile so as to generate hazardous atmosphere</del>
		Flammable solids (chapter 2.7)	1, 2	- if electrostatically sensitive material is for reloading.
P241	Use <del>electrical/ventilating/lighting/...</del> <b>explosion-proof</b> <del>...</del> <b>equipment</b>	Flammable liquids (chapter 2.6)	1, 2	...manufacturer/supplier or the competent authority to specify equipment

Annex 3 (cont'd)

Table A3.2.2: Codification of prevention precautionary statements (cont'd)

Code	Precautionary statement	Hazard class	Hazard category	Conditions for use
		Flammable liquids (chapter 2.6)	3	...manufacturer/supplier or the competent authority to specify equipment <b><i>- if product is volatile so as to generate hazardous atmosphere.</i></b>
		Flammable solids (chapter 2.7)	1, 2	...manufacturer/supplier or the competent authority to specify equipment <i>- if dust clouds can occur</i>
P242	Use only non-sparking tools	<b><u>Flammable gases (chapter 2.2)</u></b>	<b><u>1, 2</u></b>	<b><i>- if product is sensitive to mechanical sparks</i></b>
		Flammable liquids (chapter 2.6)	1, 2	
		Flammable liquids (chapter 2.6)	3	<b><i>- if product is volatile so as to generate hazardous atmosphere and sensitive to mechanical sparks</i></b>
P243	Take precautionary measures against static discharge	Flammable liquids (chapter 2.6)	1, 2	<b><i>- if material is electrostatically sensitive</i></b>
		Flammable liquids (chapter 2.6)	3	<b><i>- if product is volatile so as to generate hazardous atmosphere and electrostatically sensitive</i></b>
P244	Keep cylinder valves and pressure regulators free from grease and oil.	Oxidizing gases (chapter 2.4)	1	
P250	Do not subject to grinding/shock/friction	No change		
P251	Pressurized container: Do not pierce or burn, even after use.	No change		
P260	Do not <u>create/ breathe dust/fume/gas/mist/vapours/spray</u>	Acute toxicity – inhalation (chapter 3.1)	1,2, <b><u>3,4</u></b>	Manufacturer/supplier or the competent authority to specify <b><u>practicable precaution and</u></b> applicable conditions.
		Skin corrosion (chapter 3.2)	1A, 1B, 1C	<i>- specify do not breathe dusts or mists</i> <i>- if inhalable particles of dusts or mists may occur during use.</i>
		<b><u>Respiratory sensitization (chapter 3.4)</u></b>	<b><u>1</u></b>	Manufacturer/supplier or the competent authority to specify <b><u>practicable precaution and</u></b> applicable

Annex 3 (cont'd)

Table A3.2.2: Codification of prevention precautionary statements (cont'd)

Code	Precautionary statement	Hazard class	Hazard category	Conditions for use
		<b>Skin sensitization (chapter 3.4)</b>	<b>1</b>	conditions.
		Reproductive toxicity – effects on or via lactation (chapter 3.7)	Additional category	- <i>specify do not breathe dusts or mists</i> - <i>if inhalable particles of dusts or mists may occur during use</i>
		Specific target organ toxicity, single exposure (chapter 3.8)	1,2	Manufacturer/supplier or the competent authority to specify <b>practicable precaution and</b> applicable conditions.
		<b>Specific target organ toxicity, single exposure; respiratory tract irritation (chapter 3.8)</b>	<b>3</b>	
		<b>Specific target organ toxicity, single exposure; narcotic effects (chapter 3.8)</b>	<b>3</b>	
		Specific target organ toxicity, repeated exposure (chapter 3.9)	1,2	
P261	<b>Avoid breathing dust/fume/gas/mist/vapours/spray</b>			
P262	Do not get in eyes, on skin, or on clothing	No change		
P263	Avoid contact during pregnancy/ while nursing	No change		
P264	Wash ... thoroughly after handling	No change		
P270	Do not eat/drink or smoke when using this product	No change		
P271	Use only outdoors in a well-ventilated area	No change		
P272	Contaminated work clothing should not be allowed out of the workplace.	No change		
P273	Avoid release to the environment	No change		
P280	Wear protective gloves/protective clothing/eye protection/face protection/...	Explosives (chapter 2.1)	<b>Unstable explosives,</b> Divisions 1.1, 1.2, 1.3, 1.4, 1.5	- <i>specify face protection</i> Manufacturer/supplier or the competent authority to specify type of equipment.

Annex 3 (cont'd)

Table A3.2.2: Codification of prevention precautionary statements (cont'd)

Code	Precautionary statement	Hazard class	Hazard category	Conditions for use
		Flammable liquids (chapter 2.6)	1, 2, 3, 4	- <i>specify protective gloves and eye/face protection</i> Manufacturer/supplier or the competent authority to specify type of equipment
		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	- <i>specify protective gloves and eye/face protection</i> Manufacturer/supplier or the competent authority to specify type of equipment
		Acute toxicity – dermal (chapter 3.1)	1, 2, 3, 4	- <i>specify protective gloves/clothing</i>
		Skin corrosion (chapter 3.2)	1A, 1B, 1C	- <i>Specify protective gloves/ clothing and eye/face protection.</i> Manufacturer/supplier or the competent authority to specify type of equipment.
		Skin irritation (chapter 3.2)	2	- <i>Specify protective gloves</i>
		Skin sensitization (chapter 3.4)	1	Manufacturer/supplier or the competent authority to specify type of equipment
		Severe eye damage (chapter 3.3)	1	- <i>specify eye/face protection</i> Manufacturer/supplier or the competent authority to specify type of equipment
		Eye irritation (chapter 3.3)	2A	- <i>specify eye/face protection</i> Manufacturer/supplier or the competent authority to specify type of equipment



Annex 3 (cont'd)

Table A3.2.2: Codification of prevention precautionary statements (cont'd)

Code	Precautionary statement	Hazard class	Hazard category	Conditions for use
		<b><u>Germ cell mutagenicity (chapter 3.5)</u></b>	<b><u>1A, 1B, 2</u></b>	<b><u>Manufacturer/supplier or the competent authority to specify appropriate personal protective equipment.</u></b>
		<b><u>Carcinogenicity (chapter 3.6)</u></b>	<b><u>1A, 1B, 2</u></b>	
		<b><u>Reproductive toxicity (chapter 3.7)</u></b>	<b><u>1A, 1B, 2</u></b>	
P281	<del>Use personal protective equipment as required</del>			
P282	Wear cold insulating gloves/face shield/eye protection	No change		
P283	Wear fire/flame resistant/retardant clothing	No change		
P284	Wear respiratory protection	Acute toxicity, inhalation (chapter 3.1)	1,2	Manufacturer/supplier or the competent authority to specify equipment
		<b><u>Respiratory sensitization (chapter 3.4)</u></b>	<b><u>1</u></b>	
P285	<del>In case of inadequate ventilation wear respiratory protection</del>			

Annex 3 (cont'd)

Table A3.2.3 Codification of response precautionary statements

Code	Precautionary statement	Hazard class	Hazard category	Conditions for use
P301	<b>IF SWALLOWED:</b>	No change		
P302	<del><b>IF ON SKIN:</b></del>			
P303	<b>IF ON SKIN (or hair):</b>	Flammable liquids (chapter 2.6)	1,2,3	
		<b><u>Pyrophoric liquids (chapter 2.9)</u></b>	<b><u>1</u></b>	
		<b><u>Acute toxicity, dermal (chapter 3.1)</u></b>	<b><u>1,2,3,4</u></b>	
		<b><u>Skin irritation (chapter 3.2)</u></b>	<b><u>2</u></b>	
		Skin corrosion (chapter 3.2)	1A, 1B, 1C	
		<b><u>Skin sensitization (chapter 3.4)</u></b>	<b><u>1</u></b>	
P304	<b>IF INHALED:</b>	No change		
P305:	<b>IF IN EYES:</b>	No change		
P306:	<b>IF ON CLOTHING:</b>	No change		
P307	<b>IF exposed:</b>	No change		
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	
P309	<del><b>IF exposed or if you feel unwell:</b></del>	Specific target organ toxicity, single exposure (chapter 3.8)	2	
P310	<b>Immediately call a POISON CENTER/doctor/physician/...</b>	<b><u>Gases under pressure (chapter 2.5)</u></b>	<b><u>Refrigerated liquefied gas</u></b>	<b><u>Manufacturer/supplier or the competent authority to specify the appropriate source of medical attention.</u></b>  <b><u>The statement "Get immediate medical advice/attention" may be used on labels where more than one possible source of medical attention is available.</u></b>
		Acute toxicity, oral (chapter 3.1)	1,2,3	
		Acute toxicity, dermal (chapter 3.1)	1,2	
		Acute toxicity, inhalation (chapter 3.1)	1,2	
		Skin corrosion (chapter 3.2)	1A, 1B, 1C	
		Severe eye damage (chapter 3.3)	1	
		Aspiration hazard (chapter 3.10)	1,2	
P311	<b>Call a POISON CENTER/doctor/physician/...</b>	Acute toxicity, inhalation (chapter 3.1)	3	<b><u>Manufacturer/supplier or the competent authority to specify the appropriate source of medical attention.</u></b>
		<b><u>Skin irritation (chapter 3.2)</u></b>	<b><u>2, 3</u></b>	
		<b><u>Eye irritation (chapter 3.3)</u></b>	<b><u>2A, 2B</u></b>	
		Respiratory sensitisation (chapter 3.4)	1	

Annex 3 (cont'd)

Table A3.2.3 Codification of response precautionary statements

Code	Precautionary statement	Hazard class	Hazard category	Conditions for use
		<u>Skin sensitisation (chapter 3.4)</u>	1	<u>The statement "Get medical advice/attention" may be used on labels where more than one possible source of medical attention is available.</u>
		<u>Germ cell mutagenicity (chapter 3.5)</u>	<u>1A, 1B, 2</u>	
		<u>Carcinogenicity (chapter 3.6)</u>	<u>1A, 1B, 2</u>	
		<u>Reproductive toxicity (chapter 3.7)</u>	<u>1A, 1B, 2</u>	
		<u>Reproductive toxicity, effects on or via lactation (chapter 3.7)</u>	<u>1A, 1B, 2</u>	
		Specific target organ toxicity, single exposure (chapter 3.8)	1, 2	
P312	<b>Call a POISON CENTER/doctor/physician/... if you feel unwell</b>	Acute toxicity, oral (chapter 3.1)	4	<u>Manufacturer/supplier or the competent authority to specify the appropriate source of medical attention.</u>
		Acute toxicity, oral (chapter 3.1)	5	
		Acute toxicity, dermal (chapter 3.1)	3, 4, 5	
		Acute toxicity, inhalation (chapter 3.1)	4	<u>The statement "Get medical advice/attention if you feel unwell" may be used on labels where more than one possible source of medical attention is available.</u>
		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	
<u>Specific target organ toxicity, repeated exposure (chapter 3.9)</u>	<u>1,2</u>			
P313	<b>Get medical advice/attention</b>			
P314	<b>Get medical advice/attention if you feel unwell</b>			
P315	<b>Get immediate medical advice/attention</b>			
P320	<b>Specific treatment is urgent (see ... on this label)</b>			
P321	<b>Specific treatment (see ... on this label)</b>	Acute toxicity, oral (chapter 3.1)	1,2,3	
		<u>Acute toxicity, dermal (chapter 3.1)</u>	<u>1,2,3,4</u>	
		<u>Acute toxicity, inhalation (chapter 3.1)</u>	<u>1,2,3</u>	
		Skin corrosion (chapter 3.2)	1A, 1B, 1C	

Annex 3 (cont'd)

Table A3.2.3 Codification of response precautionary statements

Code	Precautionary statement	Hazard class	Hazard category	Conditions for use
		Skin irritation (chapter 3.2)	2	
		Skin sensitization (chapter 3.4)	1	
		Specific target organ toxicity, single exposure (chapter 3.8)	1	
P322	<b>Specific measures (see ... on this label)</b>			
P330	<b>Rinse mouth</b>	No change		
P331	<b>Do NOT induce vomiting</b>	No change		
<del>P332</del>	<del><b>If skin irritation occurs:</b></del>			
P333	<b>If skin irritation or rash occurs:</b>	<b><u>Skin irritation (chapter 3.2)</u></b>	<b><u>2,3</u></b>	
		Skin sensitisation (chapter 3.4)	1	
P334	<b>Immerse in cool water/wrap in wet bandages</b>	No change		
P335	<b>Brush off loose particles from skin</b>	No change		
P336	<b>Thaw frosted parts with lukewarm water. Do not rub affected area</b>	No change		
P337	<b>If eye irritation persists:</b>	No change		
P338	<b>Remove contact lenses, if present and easy to do. Continue rinsing.</b>	No change		
P340	<b>Remove <del>victim</del> <u>individual</u> to fresh air and keep at rest in a position comfortable for breathing</b>	Acute toxicity, inhalation (chapter 3.1)	1,2,3,4	
		Skin corrosion (chapter 3.2)	1A, 1B, 1C	
		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	
P341	<b>If breathing is difficult, remove <del>victim</del> <u>individual</u> to fresh air and keep at rest in a position comfortable for breathing</b>	Respiratory sensitization (chapter 3.4)	1	
P342	<b><del>If experiencing respiratory symptoms</del></b>			

Annex 3 (cont'd)

Table A3.2.3 Codification of response precautionary statements

Code	Precautionary statement	Hazard class	Hazard category	Conditions for use
P350	<del>Gently wash with plenty of soap and water</del>			
P351	<del>Rinse cautiously with water for several minutes.</del>	No change		
P352	<del>Wash <u>skin</u> with plenty of soap and water</del>	<u>Flammable liquids (chapter 2.6)</u>	<b>1,2,3</b>	
		Acute toxicity, dermal (chapter 3.1)	<b>1,2,3,4</b>	
		<u>Skin corrosion (chapter 3.2)</u>	<b>1A, 1B, 1C</b>	
		Skin irritation (chapter 3.2)	<b>2</b>	
		Skin sensitization (chapter 3.4)	<b>1</b>	
P353	<del>Rinse skin with water/shower</del>			
P360	<del>Rinse immediately contaminated clothing and skin with plenty of water before removing clothes.</del>	Oxidizing liquids (chapter 2.13)	<b>1</b>	
		Oxidizing solids (chapter 2.14)	<b>1</b>	
P361	<del>Remove <u>Immediately</u> Take off <u>immediately</u> all contaminated clothing . Wash before reuse</del>	Flammable liquids (chapter 2.6)	<b>1,2,3</b>	
		Acute toxicity, dermal (chapter 3.1)	<b>1,2,3</b>	
		Skin corrosion (chapter 3.2)	<b>1A, 1B, 1C</b>	
P362	<del>Take off all contaminated clothing. Wash before re-use</del>	<u>Acute toxicity, dermal (chapter 3.1)</u>	<b>4</b>	
		Skin irritation (chapter 3.2)	<b>2</b>	
		<u>Skin sensitization (chapter 3.4)</u>	<b>1</b>	
P363	<del>Wash contaminated clothing before re-use</del>			
P370	<b>In case of fire:</b>	Explosives (chapter 2.1)	Divisions 1.1, 1.2, 1.3, 1.4, 1.5	
		Oxidizing gases (chapter 2.4)	<b>1</b>	
		Flammable liquids (chapter 2.6)	<b>1, 2, 3, 4</b>	
		Flammable solids (chapter 2.7)	<b>1, 2</b>	
		Self-reactive substances and mixtures (chapter 2.8)	Types A, B, C, D, E, F	
		Pyrophoric liquids (chapter 2.9)	<b>1</b>	
		Pyrophoric solids (chapter 2.10)	<b>1</b>	

Annex 3 (cont'd)

Table A3.2.3 Codification of response precautionary statements

Code	Precautionary statement	Hazard class	Hazard category	Conditions for use
		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	
		<b>Organic peroxides (chapter 2.15)</b>	<b>Types A, B, C, D, E, F</b>	
P370	In case of fire:	No change		
P371	In case of major fire and large quantities	No change		
P372	Explosion risk in case of fire	Explosives (chapter 2.1)	Unstable explosives and divisions 1.1, 1.2, 1.3, 1.4, 1.5	- <i>except if explosives are 1.4S AMMUNITION OR COMPONENTS THEREOF</i>
P373	DO NOT fight fire when fire reaches explosives	Explosives (chapter 2.1)	Unstable explosives and divisions 1.1, 1.2, 1.3, 1.4, 1.5	- <i>except if explosives are 1.4S</i>
P374	Fight fire with normal precautions from a reasonable distance.	Explosives (chapter 2.1)	Division 1.4	- <i>except if explosives are 1.4S AMMUNITION OR COMPONENTS THEREOF</i>
P375	<b>Fight fire remotely due to risk of explosion</b>	Self-reactive substances and mixtures (chapter 2.8)	Types A, B	
		Oxidizing liquids (chapter 2.13)	1	
		Oxidizing solids (chapter 2.14)	1	
		<b>Organic peroxides (chapter 2.15)</b>	Types A, B	
P376	Stop leak if safe to do so	No change		
P377	Leaking gas fire: Do not extinguish, unless leak can be stopped safely	No change		
P378	<b>Use ... <del>for extinction</del> <u>to extinguish</u></b>	Flammable liquids (chapter 2.6)	1, 2, 3, 4	Manufacturer/supplier or the competent authority to specify appropriate media
		Flammable solids (chapter 2.7)	1, 2	

Annex 3 (cont'd)

Table A3.2.3 Codification of response precautionary statements

Code	Precautionary statement	Hazard class	Hazard category	Conditions for use
		Self reactive substances and mixtures (chapter 2.8)	Types A, B, C, D, E, F	- if water increases risk
		Pyrophoric liquids (chapter 2.9)	1	
		Pyrophoric solids (chapter 2.10)	1	
		Substances and mixtures which, in contact with water, emit flammable gases (chapter 2.12)	1, 2, 3	
		Oxidizing liquids (chapter 2.13)	1, 2, 3	
		Oxidizing solids (chapter 2.14)	1, 2, 3	
P380	Evacuate area	Explosives (chapter 2.1)	Unstable explosives	
		Explosives (chapter 2.1)	Divisions 1.1, 1.2, 1.3, 1.4, 1.5	<b><u>- except if explosives are 1.4 S</u></b>
		Self-reactive substances and mixtures (chapter 2.8)	Types A, B	
		Oxidising liquids (chapter 2.13)	1	
		Oxidising solids (chapter 2.14)	1	
		<b>Organic peroxides (chapter 2.15)</b>	<b>Types A, B</b>	
P381	Eliminate all ignition sources if safe to do so	No change		
P390	Absorb spillage to prevent material-damage	No change		
P391	Collect spillage	No change		
P301 + P310	IF SWALLOWED: Immediately call a POISON CENTER or/doctor/physician...	Acute toxicity, oral (chapter 3.1)	1,2,3	<b><u>Manufacturer/supplier or the competent authority to specify the appropriate source of medical attention.</u></b> <b><u>The statement "Get immediate medical advice/attention" may be used on labels where more than one possible source of medical attention is available.</u></b>
		Aspiration hazard (chapter 3.10)	1,2	

Annex 3 (cont'd)

Table A3.2.3 Codification of response precautionary statements

Code	Precautionary statement	Hazard class	Hazard category	Conditions for use
P301 + P312	IF SWALLOWED: call a POISON CENTER/ <del>or</del> doctor/physician if you feel unwell.	Acute toxicity, oral (chapter 3.1)	4	<b><u>Manufacturer/supplier or the competent authority to specify the appropriate source of medical attention.</u></b> <b><u>The statement "Get immediate medical advice/attention" may be used on labels where more than one possible source of medical attention is available.</u></b>
P301 + P330 + P331	IF SWALLOWED: Rinse mouth. Do NOT induce vomiting	No change		
<del>P302</del> <b>P303</b> + P334	IF ON SKIN ( <b>or hair</b> ): Immerse in cool water/wrap in wet bandages.	No change		
<del>P302</del> <b>P303</b> + <del>P350</del> <b>P352</b>	IF ON SKIN ( <b>or hair</b> ): <del>Gently</del> wash skin with plenty of water/ <del>soap and</del> water....	Acute toxicity, dermal (chapter 3.1) Acute toxicity, dermal (chapter 3.1) Skin irritation (chapter 3.2) Skin sensitization (chapter 3.4)	1,2 3,4 2 1	
P303 + P361 + <del>P353</del> <b>P352</b>	IF ON SKIN (or hair): <del>Remove/</del> Take off immediately all contaminated clothing. <del>Rinse skin with water/shower.</del> <b><u>Wash skin with plenty of water...</u></b>	Flammable liquids (chapter 2.6) Skin corrosion (chapter 3.2)	1,2,3 1A, 1B, 1C	



Annex 3 (cont'd)

Table A3.2.3 Codification of response precautionary statements

Code	Precautionary statement	Hazard class	Hazard category	Conditions for use
P304 + P312	IF INHALED: Call a POISON CENTER/ <del>or</del> doctor/physician if you feel unwell.	Acute toxicity, inhalation (chapter 3.1)	5	<b><u>Manufacturer/supplier or the competent authority to specify the appropriate source of medical attention.</u></b> <b><u>The statement "Get immediate medical advice/attention" may be used on labels where more than one possible source of medical attention is available.</u></b>
P304 + P340	<b>IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.</b>	No change		
P304 + P341 + <b>P311</b>	<b>IF INHALED: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing. <u>Call a POISON CENTER/doctor/physician/...</u></b>	Respiratory sensitisation (chapter 3.4)	1	
P305 + P351 + P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.	No change.		
P306 + P360	IF ON CLOTHING: Rinse immediately contaminated clothing and skin with plenty of water before removing clothes.	No change.		
<del>P307</del> + <del>P311</del>	<del>If exposed: call a POISON CENTRE or doctor/physician</del>			
P308 + P313	If exposed or concerned: <del>get medical advice/attention</del> <b><u>call a POISON CENTRE/doctor/physician/...</u></b>	Germ cell mutagenicity (chapter 3.5) Carcinogenicity (chapter 3.6) Reproductive toxicity (chapter 3.7) Reproductive toxicity, effects on or via lactation (chapter 3.7)	1A, 1B, 2 1A, 1B, 2 1A, 1B, 1 Additional category	<b><u>Manufacturer/supplier or the competent authority to specify the appropriate source of medical attention.</u></b> <b><u>The statement "Get immediate medical advice/attention" may be used on labels</u></b>

Annex 3 (cont'd)

Table A3.2.3 Codification of response precautionary statements

Code	Precautionary statement	Hazard class	Hazard category	Conditions for use
				<u>where more than one possible source of medical attention is available.</u>
P309 + P311	If exposed or you feel unwell: call a POISON CENTER or doctor/physician.	Specific target organ toxicity, single exposure (chapter 3.8)	<u>1</u> , 2	
<del>P332</del> + <del>P313</del>	<del>If skin irritation occurs: Get medical advice/attention</del>			
P333 + P313	If skin irritation or rash occurs: <del>get medical advice/attention</del> <u>Call a POISON CENTER/doctor/physician...</u>	Skin irritation (chapter 3.2) <u>Skin sensitisation (chapter 3.4)</u>	2,3 <u>1</u>	<u>Manufacturer/supplier or the competent authority to specify the appropriate source of medical attention.</u> <u>The statement "Get immediate medical advice/attention" may be used on labels where more than one possible source of medical attention is available.</u>
P335 + P334	Brush off loose particles from skin. Immerse in cool water/wrap in wet bandages.	No change.		
P337 + P313	If eye irritation persists: <del>Get medical advice/attention</del> <u>Call a POISON CENTER/doctor/physician...</u>	Eye irritation (chapter 3.3)	2A, 2B	<u>Manufacturer/supplier or the competent authority to specify the appropriate source of medical attention.</u> <u>The statement "Get immediate medical advice/attention" may be used on labels where more than one possible source of medical attention is available.</u>
<del>P342</del> + <del>P311</del>	<del>If experiencing respiratory symptoms: get medical advice/attention</del>			
P370 + P376	In case of fire: Stop leak if safe to do so.	No change		

Annex 3 (cont'd)

Table A3.2.3 Codification of response precautionary statements

Code	Precautionary statement	Hazard class	Hazard category	Conditions for use
P370 + P378	<b>In case of fire: Use ... for extinction</b>	Flammable liquids (chapter 2.6)	1, 2, 3, 4	... Manufacturer/supplier to specify appropriate media. - <i>if water increases risk</i>
		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	
		Oxidising liquids (chapter 2.13)	1, 2, 3	
		Oxidising solids (chapter 2.14)	1, 2, 3	
	<b><u>Organic Peroxides (chapter 2.15)</u></b>	<b><u>Types A, B, C, D, E, F</u></b>		
P370 + P380	<b>In case of fire: Evacuate area</b>	Explosives (chapter 2.1)	Divisions 1.1, 1.2, 1.3, 1.4, 1.5	<b><u>- except if explosives are 1.4 S</u></b>
P370 + P380 + P375	<b>In case of fire: Evacuate area. Fight fire remotely due to the risk of explosion.</b>	Self-reactive substances and mixtures (chapter 2.8)	Types A, B	
		<b><u>Organic peroxides (chapter 2.15)</u></b>	<b><u>Types A, B</u></b>	
P371 + P380 + P375	In case of major fire and large quantities: Evacuate area. Fight fire remotely due to the risk of explosion.	No change.		

Annex 3 (cont'd)

Table A3.2.4: Codification of storage precautionary statements

Code	Precautionary statement	Hazard class	Hazard category	Conditions for use
P401	Store...	No change		
P402	Store in a dry place	No change		
P403	<b>Store in a well-ventilated place</b>	Flammable gases (chapter 2.2)	1, 2	<i>- if product is volatile so as to generate a hazardous atmosphere</i>
		Oxidising 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	
		Self-reactive substances and mixtures (chapter 2.8)	Types A, B, C, D, E, F	
		<b><u>Organic Peroxides (chapter 2.15)</u></b>	<b>Types A, B, C, D, E, F</b>	
		Acute toxicity, inhalation (chapter 3.1)	1, 2, 3	
		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	
<del>P404</del>	<del>Store in a closed container</del>			
P405	Store locked up	No change		
P406	Store in corrosive resistant/...container with a resistant inner liner.	No change		
P407	Maintain air gap between pallets	No change		
P410	<b>Protect from sunlight</b>	Flammable aerosols (chapter 2.3)	1, 2	<b><i>- To be used in countries where the likelihood exists for the content of the receptacle to exceed 60°C if</i></b>
		Gases under pressure (chapter 2.5)	Compressed gas	

Annex 3 (cont'd)

Table A3.2.4: Codification of storage precautionary statements

Code	Precautionary statement	Hazard class	Hazard category	Conditions for use
			Liquefied gas Dissolved gas	<i>the receptacle is not protected from sunshine</i>
		<b><u>Self-reactive substances and mixtures (chapter 2.8)</u></b>	<b><u>Types A, B, C, D, E, F</u></b>	
		Self-heating substances and mixtures (chapter 2.11)	1, 2	
		Organic peroxides (chapter 2.15)	Types A, B, C, D, E, F	
P411	Store at temperatures not exceeding ...°C/...°F	<u>No change</u>		
P412	Do not expose to temperatures exceeding 50°C/122°F	No change		
P413	Store bulk masses greater than ...kg/...lbs at temperatures not exceeding ...°C/...°F	No change		
<del>P420</del>	<del>Store away from other materials</del>			
P422	<b>Store contents under...</b>	No change		
P402 + <del>P404</del> P233	Store in a dry place. Keep <b>in a</b> <del>container</del> tightly closed container	Substances and mixtures which, in contact with water, emit flammable gases (chapter 2.12)	1,2,3	
P403 + P233	Store in a well-ventilated place. Keep <b>in a</b> <del>container</del> tightly closed <b>container</b> .	No change		
P403 + P235	<b>Store in a well-ventilated place. Keep cool</b>	Flammable liquids (chapter 2.6)	1, 2, 3, 4	
		Self-reactive substances and mixtures (chapter 2.8)	Types A, B, C, D, E, F	
		<b><u>Organic peroxides (chapter 2.15)</u></b>	<b><u>Types A, B, C, D, E, F</u></b>	

Annex 3 (cont'd)

**Table A3.2.4: Codification of storage precautionary statements**

Code	Precautionary statement	Hazard class	Hazard category	Conditions for use
P410 + P403	Protect from sunlight. Store in a well-ventilated place.	Gases under pressure (chapter 2.5)	Compressed gas	<b><u>- To be used in countries where the likelihood exists for the content of the receptacle to exceed 60°C if the receptacle is not protected from sunshine</u></b>
			Liquefied gas	
			Dissolved gas	
P410 + P412	Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F	No change		
P411 + P235	Store at temperatures not exceeding ...°C/...°F. Keep cool.	No change		

**Table A3.2.5 Codification of disposal precautionary statements**

Code	Precautionary statement	Hazard class	Hazard category	Conditions for use
P501	Dispose of contents/container to...	No change		

**Annex 4:**  
**Suggested changes to tables A3.2.1, A3.2.2, A3.2.3, A3.2.4 (clean copy)**

**Table A3.2.1**

<b>Code</b>	<b>Precautionary statement</b>	<b>Hazard class</b>	<b>Hazard category</b>	<b>Conditions for use</b>
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 entire label before use</b>	As appropriate		Consumer products, and others as appropriate
P104	<b>Do not use until all safety precautions have been read and understood.</b>	As appropriate		Consumer products, and others as appropriate

Annex 4 (cont'd)

Table A3.2.2 Codification of prevention precautionary statements

Code	Precautionary statement	Hazard class	Hazard category	Conditions for use
P202	<b>Do not handle until all safety precautions have been read and understood</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	
P210	<b>Keep away from heat/sparks/open flames/hot surfaces. – No smoking.</b>	No change		
P211	<b>Do not spray on an open flame or other ignition source</b>	No change		
P220	<b>Keep/store away from clothing/.../other materials/combustible materials.</b>	Oxidizing gases (chapter 2.4)	1	Manufacturer/supplier or the competent authority to specify other incompatible materials. - 'keep' should be used when the chemical should be kept away from the specified materials at all times, whereas 'store' should be used when this precaution only applies to storage
		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)	2, 3	
		Oxidizing solids (chapter 2.14)	2,3	
		Organic peroxides (chapter 2.15)	Types A, B, C, D, E, F	
		Oxidizing liquids (chapter 2.13)	1	
		Oxidizing solids (chapter 2.14)	1	
P221	<b>Do not mix with combustibles/...</b>	Oxidizing liquids (chapter 2.13)	1, 2, 3	Manufacturer/supplier or the competent authority to specify other incompatible materials.
		Oxidising solids (chapter 2.14)	1, 2, 3	
P222	<b>Do not allow contact with air</b>	No change		
P223	<b>Keep away from any possible contact with water, because of violent reaction and possible flash fire</b>	No change		



**Annex 4 (cont'd)**

**Table A3.2.2 Codification of prevention precautionary statements (cont'd)**

<b>Code</b>	<b>Precautionary statement</b>	<b>Hazard class</b>	<b>Hazard category</b>	<b>Conditions for use</b>
P230	<b>Keep wetted with...</b>	No change		
P231	<b>Handle under inert gas</b>	no change		
P232	<b>Protect from moisture</b>	No change		
P233	<b>Keep in a tightly closed container</b>	Flammable liquids (chapter 2.6)	1,2,3	<i>-if product is volatile so as to generate hazardous atmosphere</i>
		Substances and mixtures which, in contact with water, emit flammable gases (chapter 2.12)	1,2,3	
		Acute toxicity, inhalation (chapter 3.1)	1,2,3	
		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 container</b>	Explosives (chapter 2.1)	Unstable explosives and Divisions 1.1, 1.2, 1.3, 1.4, 1.5	For explosives, self-reactive substances and organic peroxides repackaging may result in a different hazard category
		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	
		Substances and mixtures corrosive to metals (2.16)	1	
P235	<b>Keep cool</b>	No change		
P240	<b>Ground/bond container and receiving equipment</b>	Explosives (chapter 2.1)	Divisions 1.1, 1.2, 1.3, 1.4, 1.5	<i>- if the explosive is electrostatically sensitive.</i>
		Flammable liquids (chapter 2.6)	1, 2, 3	
		Flammable solids (chapter 2.7)	1, 2	<i>- if electrostatically sensitive material is for reloading.</i>

Annex 4 (cont'd)

Table A3.2.2 Codification of prevention precautionary statements (cont'd)

Code	Precautionary statement	Hazard class	Hazard category	Conditions for use
P241	Use explosion-proof ... equipment	Flammable liquids (chapter 2.6)	1, 2	...manufacturer/supplier or the competent authority to specify equipment
		Flammable liquids (chapter 2.6)	3	...manufacturer/supplier or the competent authority to specify equipment - if product is volatile so as to generate hazardous atmosphere.
		Flammable solids (chapter 2.7)	1, 2	...manufacturer/supplier or the competent authority to specify equipment - if dust clouds can occur
P242	Use only non-sparking tools	Flammable gases (chapter 2.6)	1, 2	- if product is sensitive to mechanical sparks
		Flammable liquids (chapter 2.6)	1, 2	
		Flammable liquids (chapter 2.6)	3	- if product is volatile so as to generate hazardous atmosphere and sensitive to mechanical sparks
P243	Take precautionary measures against static discharge	Flammable liquids (chapter 2.6)	1, 2	- if material is electrostatically sensitive
		Flammable liquids (chapter 2.6)	3	- if product is volatile so as to generate hazardous atmosphere and electrostatically sensitive
P244	Keep cylinder valves and pressure regulators free from grease and oil.	Oxidizing gases (chapter 2.4)	1	
P250	Do not subject to grinding/shock/friction	No change		
P251	Pressurized container: Do not pierce or burn, even after use.	No change		

**Annex 4 (cont'd)**

**Table A3.2.2 Codification of prevention precautionary statements (cont'd)**

<b>Code</b>	<b>Precautionary statement</b>	<b>Hazard class</b>	<b>Hazard category</b>	<b>Conditions for use</b>
P260	<b>Do not create/ breathe dust/fume/gas/mist/vapours/spray</b>	Acute toxicity – inhalation (chapter 3.1)	1,2,3,4	Manufacturer/supplier or the competent authority to specify practicable precaution and applicable conditions.
		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.
		Respiratory sensitization (chapter 3.4)	1	Manufacturer/supplier or the competent authority to specify practicable precaution and applicable conditions.
		Skin sensitization (chapter 3.4)	1	
		Reproductive toxicity – effects on or via lactation (chapter 3.7)	Additional category	- specify do not breathe dusts or mists - if inhalable particles of dusts or mists may occur during use
		Specific target organ toxicity, single exposure (chapter 3.8)	1,2	Manufacturer/supplier or the competent authority to specify practicable precaution and applicable conditions.
		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	
P262	<b>Do not get in eyes, on skin, or on clothing</b>	No change		
P263	<b>Avoid contact during pregnancy/ while nursing</b>	No change		
P264	<b>Wash ... thoroughly after handling</b>	No change		

Annex 4 (cont'd)

Table A3.2.2 Codification of prevention precautionary statements (cont'd)

Code	Precautionary statement	Hazard class	Hazard category	Conditions for use
P270	Do not eat/drink or smoke when using this product	No change		
P271	Use only outdoors in a well-ventilated area	No change		
P272	Contaminated work clothing should not be allowed out of the workplace.	No change		
P273	Avoid release to the environment	No change		
P280	Wear protective gloves/protective clothing/eye protection/face protection/...	Explosives (chapter 2.1)	Unstable explosives, Divisions 1.1, 1.2, 1.3, 1.4, 1.5	- specify face protection Manufacturer/supplier or the competent authority to specify type of equipment.
		Flammable liquids (chapter 2.6)	1, 2, 3, 4	- specify protective gloves and eye/face protection
		Flammable solids (chapter 2.7)	1, 2	
		Self-reactive substances and mixtures (chapter 2.8)	Types A, B, C, D, E, F	Manufacturer/supplier or the competent authority to specify type of equipment
		Pyrophoric liquids (chapter 2.9)	1	
		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	- specify protective gloves and eye/face protection Manufacturer/supplier or the competent authority to specify type of equipment
		Organic peroxides (chapter 2.15)	Types A, B, C, D, E, F	
		Acute toxicity – dermal (chapter 3.1)		1, 2, 3, 4

**Annex 4 (cont'd)**

**Table A3.2.2 Codification of prevention precautionary statements (cont'd)**

<b>Code</b>	<b>Precautionary statement</b>	<b>Hazard class</b>	<b>Hazard category</b>	<b>Conditions for use</b>
		Skin corrosion (chapter 3.2)	1A, 1B, 1C	- <i>Specify protective gloves/ clothing and eye/face protection.</i> Manufacturer/supplier or the competent authority to specify type of equipment.
		Skin irritation (chapter 3.2)	2	- <i>Specify protective gloves</i> Manufacturer/supplier or the competent authority to specify type of equipment
		Skin sensitization (chapter 3.4)	1	
		Severe eye damage (chapter 3.3)	1	- <i>specify eye/face protection</i> Manufacturer/supplier or the competent authority to specify type of equipment
		Eye irritation (chapter 3.3)	2A	- <i>specify eye/face protection</i> Manufacturer/supplier or the competent authority to specify type of equipment
		Germ cell mutagenicity (chapter 3.5)	1A, 1B, 2	Manufacturer/supplier or the competent authority to specify appropriate personal protective equipment.
		Carcinogenicity (chapter 3.6)	1A, 1B, 2	
		Reproductive toxicity (chapter 3.7)	1A, 1B, 2	
P282	<b>Wear cold insulating gloves/face shield/eye protection.</b>	No change		
P283	<b>Wear fire/ flame resistant/retardant clothing</b>	No change		
P284	<b>Wear respiratory protection</b>	Acute toxicity, inhalation (chapter 3.1)	1,2	Manufacturer/supplier or the competent authority to specify equipment
		Respiratory sensitization (chapter 3.4)	1	

Annex 4 (cont'd)

Table A3.2.3 Codification of response precautionary statements

Code	Precautionary statement	Hazard class	Hazard category	Conditions for use
P301	<b>IF SWALLOWED:</b>	No change		
P303	<b>IF ON SKIN (or hair):</b>	Flammable liquids (chapter 2.6)	1,2,3	
		Pyrophoric liquids (chapter 2.9)	1	
		Acute toxicity, dermal (chapter 3.1)	1,2,3,4	
		Skin irritation (chapter 3.2)	2	
		Skin corrosion (chapter 3.2)	1A, 1B, 1C	
		Skin sensitization (chapter 3.4)	1	
P304	<b>IF INHALED:</b>	No change		
P305:	<b>IF IN EYES:</b>	No change		
P306:	<b>IF ON CLOTHING:</b>	No change		
P307	<b>IF exposed:</b>	No change		
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	
P309	<b>IF you feel unwell:</b>	Specific target organ toxicity, single exposure (chapter 3.8)	1, 2	
P310	<b>Immediately call a POISON CENTER/doctor/physician/...</b>	Gases under pressure (chapter 2.5)	Refrigerated liquefied gas	Manufacturer/supplier or the competent authority to specify the appropriate source of medical attention. The statement "Get immediate medical advice/attention" may be used on labels where more than one possible source of medical attention is available.
		Acute toxicity, oral (chapter 3.1)	1,2,3	
		Acute toxicity, dermal (chapter 3.1)	1,2	
		Acute toxicity, inhalation (chapter 3.1)	1,2	
		Skin corrosion (chapter 3.2)	1A, 1B, 1C	
		Severe eye damage (chapter 3.3)	1	
Aspiration hazard (chapter 3.10)	1,2			

**Annex 4 (cont'd)**

**Table A3.2.3 Codification of response precautionary statements (cont'd)**

<b>Code</b>	<b>Precautionary statement</b>	<b>Hazard class</b>	<b>Hazard category</b>	<b>Conditions for use</b>
P311	<b>Call a POISON CENTER/doctor/physician/...</b>	Acute toxicity, inhalation (chapter 3.1)	3	Manufacturer/supplier or the competent authority to specify the appropriate source of medical attention. The statement "Get medical advice/attention" may be used on labels where more than one possible source of medical attention is available.
		Skin irritation (chapter 3.2)	2, 3	
		Eye irritation (chapter 3.3)	2A, 2B	
		Respiratory sensitisation (chapter 3.4)	1	
		Skin sensitisation (chapter 3.4)	1	
		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)	1A, 1B, 2	
	Specific target organ toxicity, single exposure (chapter 3.8)	1, 2		
P312	<b>Call a POISON CENTER/doctor/physician/... if you feel unwell</b>	Acute toxicity, oral (chapter 3.1)	4	Manufacturer/supplier or the competent authority to specify the appropriate source of medical attention. The statement "Get medical advice/attention" may be used on labels where more than one possible source of medical attention is available.
		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)		
		Specific target organ toxicity, single exposure; respiratory tract irritation (chapter 3.8)		
		Specific target organ toxicity, repeated exposure (chapter 3.9)	1,2	

**Annex 4 (cont'd)**

**Table A3.2.3 Codification of response precautionary statements (cont'd)**

Code	Precautionary statement	Hazard class	Hazard category	Conditions for use
P321	<b>Specific treatment (see ... on this label)</b>	Acute toxicity, oral (chapter 3.1)	1,2,3	
		Acute toxicity, dermal (chapter 3.1)	1,2,3,4	
		Acute toxicity, inhalation (chapter 3.1)	1,2,3	
		Skin corrosion (chapter 3.2)	1A, 1B, 1C	
		Skin irritation (chapter 3.2)	2	
		Skin sensitization (chapter 3.4)	1	
		Specific target organ toxicity, single exposure (chapter 3.8)	1	
P330	<b>Rinse mouth</b>	No change		
P331	<b>Do NOT induce vomiting</b>	No change		
P333	<b>If skin irritation or rash occurs:</b>	Skin irritation (chapter 3.2)	2,3	
		Skin sensitisation (chapter 3.4)	1	
P334	<b>Immerse in cool water/wrap in wet bandages</b>	No change		
P335	<b>Brush off loose particles from skin</b>	No change		
P336	<b>Thaw frosted parts with lukewarm water. Do not rub affected area</b>	No change		
P337	<b>If eye irritation persists:</b>	No change		
P338	<b>Remove contact lenses, if present and easy to do. Continue rinsing.</b>	No change		
P340	<b>Remove individual to fresh air and keep at rest in a position comfortable for breathing</b>	Acute toxicity, inhalation (chapter 3.1)	1,2,3,4	
		Skin corrosion (chapter 3.2)	1A, 1B, 1C	
		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	
P341	<b>If breathing is difficult, remove individual to fresh air and keep at rest in a position comfortable for breathing</b>	Respiratory sensitization (chapter 3.4)	1	



**Annex 4 (cont'd)**

**Table A3.2.3 Codification of response precautionary statements (cont'd)**

<b>Code</b>	<b>Precautionary statement</b>	<b>Hazard class</b>	<b>Hazard category</b>	<b>Conditions for use</b>
P351	<b>Rinse cautiously with water for several minutes.</b>	No change		
P352	<b>Wash <u>skin</u> with plenty of water</b>	Flammable liquids (chapter 2.6)	1,2,3	
		Acute toxicity, dermal (chapter 3.1)	1,2,3,4	
		Skin corrosion (chapter 3.2)	1A, 1B, 1C	
		Skin irritation (chapter 3.2)	2	
		Skin sensitization (chapter 3.4)	1	
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>Immediately take off all contaminated clothing . Wash before reuse</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. Wash before re-use</b>	Acute toxicity, dermal (chapter 3.1)	4	
		Skin irritation (chapter 3.2)	2	
		Skin sensitization (chapter 3.4)	1	
P370	<b>In case of fire:</b>	Explosives (chapter 2.1)	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	

**Annex 4 (cont'd)**

**Table A3.2.3 Codification of response precautionary statements (cont'd)**

Code	Precautionary statement	Hazard class	Hazard category	Conditions for use
		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	
P370	<b>In case of fire:</b>	No change		
P371	<b>In case of major fire and large quantities</b>	No change		
P372	<b>Explosion risk in case of fire</b>	Explosives (chapter 2.1)	Unstable explosives and divisions 1.1, 1.2, 1.3, 1.4, 1.5	- <i>except if explosives are 1.4S</i>
P373	<b>DO NOT fight fire when fire reaches explosives</b>	Explosives (chapter 2.1)	Unstable explosives and divisions 1.1, 1.2, 1.3, 1.4, 1.5	- <i>except if explosives are 1.4S</i>
P374	<b>Fight fire with normal precautions from a reasonable distance.</b>	Explosives (chapter 2.1)	Division 1.4	- <i>except if explosives are 1.4S</i>
P375	<b>Fight fire remotely due to risk of explosion</b>	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	
P376	<b>Stop leak if safe to do so</b>	No change		
P377	<b>Leaking gas fire: Do not extinguish, unless leak can be stopped safely</b>	No change		

**Annex 4 (cont'd)**

**Table A3.2.3 Codification of response precautionary statements (cont'd)**

Code	Precautionary statement	Hazard class	Hazard category	Conditions for use
P378	<b>Use ... to extinguish</b>	Flammable liquids (chapter 2.6)	1, 2, 3, 4	Manufacturer/supplier or the competent authority to specify appropriate media <i>- if water increases risk</i>
		Flammable solids (chapter 2.7)	1, 2	
		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	
P380	<b>Evacuate area</b>	Explosives (chapter 2.1)	Unstable explosives	<b><u>- except if explosives are 1.4 S</u></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	
		Oxidising liquids (chapter 2.13)	1	
		Oxidising solids (chapter 2.14)	1	
		Organic peroxides (chapter 2.15)	Types A, B	
P381	<b>Eliminate all ignition sources if safe to do so</b>	No change		
P390	<b>Absorb spillage to prevent material-damage</b>	No change		
P391	<b>Collect spillage</b>	No change		

**Annex 4 (cont'd)**

**Table A3.2.3 Codification of response precautionary statements (cont'd)**

Code	Precautionary statement	Hazard class	Hazard category	Conditions for use
P301 +P310	<b>IF SWALLOWED: Immediately call a POISON CENTER /doctor/physician...</b>	Acute toxicity, oral (chapter 3.1)	1,2,3	Manufacturer/supplier or the competent authority to specify the appropriate source of medical attention. The statement "Get immediate medical advice/attention" may be used on labels where more than one possible source of medical attention is available.
		Aspiration hazard (chapter 3.10)	1,2	
P301 +P312	<b>IF SWALLOWED: call a POISON CENTER/ doctor/physician if you feel unwell.</b>	Acute toxicity, oral (chapter 3.1)	4	Manufacturer/supplier or the competent authority to specify the appropriate source of medical attention. The statement "Get immediate medical advice/attention" may be used on labels where more than one possible source of medical attention is available.
P301 + P330 + P331	<b>IF SWALLOWED: Rinse mouth. Do NOT induce vomiting</b>	No change		
P303 + P334	<b>IF ON SKIN (or hair): Immerse in cool water/wrap in wet bandages.</b>	No change		
P303 + P352	<b>IF ON SKIN (or hair): wash <u>skin</u> with plenty of water....</b>	Acute toxicity, dermal (chapter 3.1)	1,2	
		Acute toxicity, dermal (chapter 3.1)	3,4	
		Skin irritation (chapter 3.2)	2	
		Skin sensitization (chapter 3.4)	1	

**Annex 4 (cont'd)**

**Table A3.2.3 Codification of response precautionary statements (cont'd)**

<b>Code</b>	<b>Precautionary statement</b>	<b>Hazard class</b>	<b>Hazard category</b>	<b>Conditions for use</b>
P303 + P361 + P352	<b>IF ON SKIN (or hair): Take off immediately all contaminated clothing. . Wash <u>skin</u> with plenty of water ...</b>	Flammable liquids (chapter 2.6) Skin corrosion (chapter 3.2)	1,2,3 1A, 1B, 1C	
P304 + P312	<b>IF INHALED: Call a POISON CENTER/doctor/physician if you feel unwell.</b>	Acute toxicity, inhalation (chapter 3.1)	5	Manufacturer/supplier or the competent authority to specify the appropriate source of medical attention.  The statement "Get immediate medical advice/attention" may be used on labels where more than one possible source of medical attention is available.
P304 + P340	<b>IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.</b>	No change		
P304 + P341 + P311	<b>IF INHALED: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER/doctor/physician/...</b>	Respiratory sensitisation (chapter 3.4)	1	
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>	No change.		

**Annex 4 (cont'd)**

**Table A3.2.3 Codification of response precautionary statements (cont'd)**

Code	Precautionary statement	Hazard class	Hazard category	Conditions for use
P306 + P360	<b>IF ON CLOTHING: Rinse immediately contaminated clothing and skin with plenty of water before removing clothes.</b>	No change.		
P308 + P313	<b>If exposed or concerned: call a POISON CENTRE/doctor/physician/...</b>	Germ cell mutagenicity (chapter 3.5)	1A, 1B, 2	Manufacturer/supplier or the competent authority to specify the appropriate source of medical attention. The statement "Get immediate medical advice/attention" may be used on labels where more than one possible source of medical attention is available.
		Carcinogenicity (chapter 3.6)	1A, 1B, 2	
		Reproductive toxicity (chapter 3.7)	1A, 1B, 1	
		Reproductive toxicity, effects on or via lactation (chapter 3.7)	Additional category	
P309 + P311	<b>If exposed or you feel unwell: call a POISON CENTER or doctor/physician.</b>	Specific target organ toxicity, single exposure (chapter 3.8)	1, 2	
P333 + P313	<b>If skin irritation or rash occurs: Call a POISON CENTER/doctor/physician...</b>	Skin irritation (chapter 3.2)	2,3	Manufacturer/supplier or the competent authority to specify the appropriate source of medical attention. The statement "Get immediate medical advice/attention" may be used on labels where more than one possible source of medical attention is available.
		Skin sensitisation (chapter 3.4)	1	
P335 + P334	<b>Brush off loose particles from skin. Immerse in cool water/wrap in wet bandages.</b>	No change.		

**Annex 4 (cont'd)**

**Table A3.2.3 Codification of response precautionary statements (cont'd)**

<b>Code</b>	<b>Precautionary statement</b>	<b>Hazard class</b>	<b>Hazard category</b>	<b>Conditions for use</b>
P337 + P313	<b>If eye irritation persists: Call a POISON CENTER/doctor/physician...</b>	Eye irritation (chapter 3.3)	2A, 2B	Manufacturer/supplier or the competent authority to specify the appropriate source of medical attention. The statement "Get immediate medical advice/attention" may be used on labels where more than one possible source of medical attention is available.
P370 + P376	<b>In case of fire: Stop leak if safe to do so.</b>	No change		
P370 + P378	<b>In case of fire: Use ... for extinction</b>	Flammable liquids (chapter 2.6)	1, 2, 3, 4	... Manufacturer/supplier to specify appropriate media. <i>- if water increases risk</i>
		Flammable solids (chapter 2.7)	1, 2	
		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	
		Oxidising liquids (chapter 2.13)	1, 2, 3	
		Oxidising solids (chapter 2.14)	1, 2, 3	
	Organic Peroxides (chapter 2.15)	Types A, B, C, D, E, F		
P370 + P380	<b>In case of fire: Evacuate area</b>	Explosives (chapter 2.1)	Divisions 1.1, 1.2, 1.3, 1.4, 1.5	<i>- except if explosives are 1.4 S</i>

**Annex 4 (cont'd)**

**Table A3.2.3 Codification of response precautionary statements (cont'd)**

<b>Code</b>	<b>Precautionary statement</b>	<b>Hazard class</b>	<b>Hazard category</b>	<b>Conditions for use</b>
P370 + P380 + P375	<b>In case of fire: Evacuate area. Fight fire remotely due to the risk of explosion.</b>	Self-reactive substances and mixtures (chapter 2.8)	Types A, B	
		Organic peroxides (chapter 2.15)	Types A, 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>	No change.		



**Annex 4 (cont'd)**

**Table A3.2.4 Codification of Storage precautionary statements**

Code	Precautionary statement	Hazard class	Hazard category	Conditions for use
P401	<b>Store...</b>	No change		
P402	<b>Store in a dry place</b>	No change		
P403	<b>Store in a well-ventilated place</b>	Flammable gases (chapter 2.2)	1, 2	
		Oxidising 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	
		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	
		Acute toxicity, inhalation (chapter 3.1)	1, 2, 3	
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	<b>Store in a well-ventilated place</b>	No change		
P405	<b>Store locked up</b>	No change		
P406	<b>Store in corrosive resistant/...container with a resistant inner liner.</b>	No change		
P407	<b>Maintain air gap between pallets</b>	No change		

**Annex 4 (cont'd)**

**Table A3.2.4 Codification of Storage precautionary statements**

Code	Precautionary statement	Hazard class	Hazard category	Conditions for use
P410	<b>Protect from sunlight</b>	Flammable aerosols (chapter 2.3)	1, 2	<i>- To be used in countries where the likelihood exists for the content of the receptacle to exceed 60°C if the receptacle is not protected from sunshine</i>
		Gases under pressure (chapter 2.5)	Compressed gas	
			Liquefied gas	
			Dissolved gas	
		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	
Organic peroxides (chapter 2.15)	Types A, B, C, D, E, F			
P411	Store at temperatures not exceeding ...°C/...°F			
P413	<b>Store bulk masses greater than ...kg/...lbs at temperatures not exceeding ...°C/...°F</b>	No change		
P422	<b>Store contents under...</b>	No change		
P402 + P233	<b>Store in a dry place. Keep in a tightly 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 in a tightly closed container.</b>	No change		
P403 + P235	<b>Store in a well-ventilated place. Keep cool</b>	Flammable liquids (chapter 2.6)	1, 2, 3, 4	
		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	

**Annex 4 (cont'd)**

**Table A3.2.4 Codification of Storage precautionary statements**

<b>Code</b>	<b>Precautionary statement</b>	<b>Hazard class</b>	<b>Hazard category</b>	<b>Conditions for use</b>
P410 + P403	<b>Protect from sunlight. Store in a well-ventilated place.</b>	Gases under pressure (chapter 2.5)	Compressed gas	<i>- To be used in countries where the likelihood exists for the content of the receptacle to exceed 60°C if the receptacle is not protected from sunshine</i>
			Liquefied gas	
			Dissolved gas	
P410 + P412	<b>Protect from sunlight.</b> Do not expose to temperatures exceeding 50°C/122°F	No change		
P411 + P235	<b>Store at temperatures not exceeding ...°C/...°F Keep cool.</b>	No change		

**Table A3.2.5 Codification of disposal precautionary statements**

P501	<b>Dispose of contents/container to...</b>	No change		
------	--	-----------	--	--

**Annex 5:**

**Changes to A3.3.5 tables – marked up**

**EXPLOSIVES  
(CHAPTER 2.1)**

<b>Symbol</b> Exploding bomb
---------------------------------

<b>Hazard category</b>	<b>Signal word</b>	<b>Hazard statement</b>
Unstable explosive	Danger	H200 Unstable explosive



Precautionary statements			
Prevention	Response	Storage	Disposal
<p><del>P201</del> <del>Obtain special instructions before use.</del></p> <p>P202 <b>Do not handle until all safety precautions have been read and understood.</b></p> <p><del>P234</del> <del><b>Keep only in original container</b></del> <del><i>- repackaging may result in a different hazard category</i></del></p> <p><del>P281</del> <del><b>Use personal protective equipment as required.</b></del></p> <p><b><u>P280</u></b> <b><u>Wear face protection</u></b></p> <p><u>Manufacturer/supplier or the competent authority to specify type of equipment.</u></p>	<p>P372 <b>Explosion risk in case of fire.</b> <b><u>- except if explosives are 1.4S</u></b></p> <p>P373 <b>DO NOT fight fire when fire reaches explosives.</b> <b><u>- except if explosives are 1.4S</u></b></p> <p>P380 <b>Evacuate area.</b></p>	<p>P401 <b>Store ...</b> ...in accordance with local/regional/national/international regulations (to be specified).</p>	<p>P501 <b>Dispose of contents/container to ...</b> ...in accordance with local/regional/national/international regulations (to be specified).</p>

**EXPLOSIVES  
(CHAPTER 2.1)**

<b>Symbol</b> Exploding bomb
---------------------------------



<b>Hazard category</b>	<b>Signal word</b>	<b>Hazard statement</b>	
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

<b>Precautionary statements</b>			
<b>Prevention</b>	<b>Response</b>	<b>Storage</b>	<b>Disposal</b>
P210 <b>Keep away from heat/sparks/open flames/hot surfaces. - No smoking.</b> Manufacturer/supplier or the competent authority to specify applicable ignition source(s). P230 <b>Keep wetted with...</b> ... Manufacturer/supplier or the competent authority to specify appropriate material. - <i>if drying out increases explosion hazard, except as needed for manufacturing or operating processes (e.g. nitrocellulose).</i> P234 Keep only in original container - repackaging may result in a different hazard category P240 <b>Ground/bond container and receiving equipment.</b> - <i>if the explosive is electrostatically sensitive.</i> P250 <b>Do not subject to grinding/shock/.../friction.</b> ...Manufacturer/supplier or the competent authority to specify applicable rough handling. P280 <b>Wear face protection.</b> Manufacturer/supplier or the competent authority to specify type of equipment.	P370 + P380 <b>In case of fire: evacuate area.</b> - <b><u>except if explosives are 1.4S</u></b> P372 <b>Explosion risk in case of fire.</b> - <b><u>except if explosives are 1.4S</u></b> P373 <b>DO NOT fight fire when fire reaches explosives.</b> - <b><u>except if explosives are 1.4S</u></b>	P401 <b>Store ...</b> ...in accordance with local/regional/national/international regulations (to be specified).	P501 <b>Dispose of contents/container to ...</b> ... in accordance with local/regional/national/international regulations (to be specified).

**EXPLOSIVES  
(CHAPTER 2.1)**

<b>Symbol</b> 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
P210 <b>Keep away from heat/sparks/open flames/hot surfaces. - No smoking.</b> Manufacturer/supplier or the competent authority to specify applicable ignition source(s). P234 <u><b>Keep only in original container</b></u> <u><b>- repackaging may result in a different hazard category</b></u> P240 <b>Ground/bond container and receiving equipment.</b> <i>- if the explosive is electrostatically sensitive.</i> P250 <b>Do not subject to grinding/shock/.../friction.</b> Manufacturer/supplier or the competent authority to specify applicable rough handling. P280 <b>Wear face protection.</b> Manufacturer/supplier or competent authority to specify type of equipment.	P370+P380 <b>In case of fire: Evacuate area.</b> <u><b>- except if explosives are 1.4S</b></u> P372 <b>Explosion risk in case of fire.</b> <i>- except if explosives are 1.4S <del>AMMUNITION AND COMPONENTS THEREOF.</del></i> P373 <b>DO NOT fight fire when fire reaches explosives.</b> <u><b>- except if explosives are 1.4S</b></u> P374 <b>Fight fire with normal precautions from a reasonable distance.</b> <i>- <u>Except</u> if explosives are 1.4S <del>AMMUNITION AND COMPONENTS THEREOF.</del></i>	P401 <b>Store ...</b> ...in accordance with local/regional/national/international regulations (to be specified).	P501 <b>Dispose of contents/container to...</b> ... in accordance with local/regional/national/international regulations (to be specified).

**EXPLOSIVES  
(CHAPTER 2.1)**

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

<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/sparks/open flames/hot surfaces. - No smoking.</b> Manufacturer/supplier or the competent authority to specify applicable ignition source(s).</p> <p>P230 <b>Keep wetted with...</b> <b>... Manufacturer/supplier or the competent authority to specify appropriate material.</b> - <i>if drying out increases explosion hazard, except as needed for manufacturing or operating processes (e.g. nitrocellulose).</i></p> <p><u>P234</u> <b><u>Keep only in original container</u></b> <b><u>- repackaging may result in a different hazard category</u></b></p> <p>P240 <b>Ground/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> ...Manufacturer/supplier or the competent authority to specify applicable rough handling.</p> <p>P280 <b>Wear face protection.</b> Manufacturer/supplier or competent authority to specify type of equipment.</p>	<p>P370 + P380 <b>In case of fire: Evacuate area.</b> <b><u>- except if explosives are 1.4S</u></b></p> <p>P372 <b>Explosion risk in case of fire.</b> <b><u>- except if explosives are 1.4S</u></b></p> <p>P373 <b>DO NOT fight fire when fire reaches explosives.</b> <b><u>- except if explosives are 1.4S</u></b></p>	<p>P401 <b>Store ...</b> ...in accordance with local/regional/national/international regulations (to be specified).</p> <p>P373</p>	<p>P501 <b>Dispose of contents/container to ...</b> ... in accordance with local/regional/national/international regulations (to be specified).</p>



**FLAMMABLE GASES  
(CHAPTER 2.2)**

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

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



Precautionary statements			
Prevention	Response	Storage	Disposal
P210 <b>Keep away from heat/sparks/open flames/hot surfaces. -No smoking.</b> Manufacturer/supplier or competent authority to specify applicable ignition source(s). <u>P242</u> <b><u>Use only non-sparking tools</u></b> <b><u>- if product is sensitive to mechanical sparks</u></b>	P377 <b>Leaking gas fire: Do not extinguish, unless leak can be stopped safely.</b> P381 <b>Eliminate all ignition sources if safe to do so.</b>	P403 <b>Store in well-ventilated place.</b>	

**FLAMMABLE GASES  
(CHAPTER 2.2)**

<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/sparks/open flames/hot surfaces. -No smoking.</b> Manufacturer/supplier or the competent authority to specify applicable ignition sources(s). <u>P242</u> <b><u>Use only non-sparking tools</u></b> <b><u>- if product is sensitive to mechanical sparks</u></b>	P377 <b>Leaking gas fire: Do not extinguish, unless leak can be stopped safely.</b> P381 <b>Eliminate all ignition sources if safe to do so.</b>	P403 <b>Store in well-ventilated place.</b>	

**FLAMMABLE AEROSOLS  
(CHAPTER 2.3)**

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



Hazard category	Signal word	Hazard statement
1	Danger	H222 Extremely flammable aerosol
2	Warning	H223 Flammable aerosol

Precautionary statements			
Prevention	Response	Storage	Disposal
P210 <b>Keep away from heat/sparks/open flames/hot surfaces. -No smoking.</b> Manufacturer/supplier or the competent authority to specify applicable ignition sources(s). P211 <b>Do not spray on an open flame or other ignition source.</b> P251 <b>Pressurized container: Do not pierce or burn, even after use.</b>		P410 + P412 <b>Protect from sunlight. <u>Keep/store at temperatures not exceeding 50 °C/122 °F.</u></b>	

**OXIDIZING GASES  
(CHAPTER 2.4)**

<b>Symbol</b> 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/Store away from clothing/.../combustible materials.</b> ...Manufacturer/supplier or the competent authority to specify other incompatible materials. - <b>'keep' should be used when the chemical should be kept away from the specified materials at all times, whereas 'store' should be used when this precaution only applies to storage</b> P244 <b>Keep cylinder valves and pressure regulators free from grease and oil.</b>	P370 + P376 <b>In case of fire: Stop leak if safe to do so.</b>	P403 <b>Store in well-ventilated place.</b>	

**GASES UNDER PRESSURE  
(CHAPTER 2.5)**

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

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



Precautionary statements			
Prevention	Response	Storage	Disposal
		P410 + P403 <b>Protect from sunlight. Store in a well-ventilated place.</b> <i>- <u>To be used in countries where the likelihood exists for the content of the receptacle to exceed 60°C if the receptacle is not protected from sunshine</u></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/face shield/eye protection.</b>	P336 <b>Thaw frosted parts with lukewarm water. Do not rub affected area.</b> <del>P315</del> <del><b>Get immediate medical advice/attention</b></del> P310 <u><b>Immediately call a POISON CENTER/doctor/physician</b></u> <u><b>Manufacturer/supplier or the competent authority to specify the appropriate source of medical attention.</b></u>  <u><b>The statement "Get immediate medical advice/attention" may be used on labels where more than one possible source of medical attention is available.</b></u>	P403 <b>Store in well-ventilated place.</b>	

**FLAMMABLE LIQUIDS  
(CHAPTER 2.6)**

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



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

Precautionary statements			
Prevention	Response	Storage	Disposal
P210 <b>Keep away from heat/sparks/open flames/hot surfaces.– No smoking.</b> Manufacturer/supplier or the competent authority to specify applicable ignition source(s). P233 <b>Keep in a <del>container</del> tightly closed container.</b> P240 <b>Ground/Bond container and receiving equipment</b> - <del>if electrostatically sensitive material is for reloading.</del> — <del>if product is volatile so as to generate hazardous atmosphere.</del> P241 <b>Use explosion-proof electrical/ventilating/lighting/... equipment.</b> ... Manufacturer/supplier or the competent authority to specify equipment. P242 <b>Use only non-sparking tools</b> <b><u>- if product is sensitive to mechanical sparks</u></b> P243 <b>Take precautionary measures against static discharge.</b> <b><u>- if material is electrostatically sensitive</u></b> P280 <b>Wear protective gloves/eye protection/face protection</b> Manufacturer/supplier or the competent authority to specify type of equipment.	P303 + P361 + <del>P353</del> -P352 <b>IF ON SKIN (or hair): <del>Remove/</del>Immediately take off immediately all contaminated clothing . Wash before reuse. Rinse skin with water/shower. Wash skin with plenty of soap and water</b> P370 + P378 <b>In case of fire: Use ... for extinction.</b> ... Manufacturer/supplier or the competent authority to specify appropriate media. - <i>if water increases risk.</i>	P403 + P235 <b>Store in a well-ventilated place. Keep cool.</b>	P501 <b>Dispose of contents/container to...</b> ... in accordance with local/regional/national/international regulations (to be specified).

**FLAMMABLE LIQUIDS  
(CHAPTER 2.6)**

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



<b>Hazard category</b>	<b>Signal word</b>	<b>Hazard statement</b>
3	Warning	H226 Flammable liquid and vapour

Precautionary statements			
Prevention	Response	Storage	Disposal
P210 <b>Keep away from heat/sparks/open flames/hot surfaces.– No smoking.</b> Manufacturer/supplier or the competent authority to specify applicable ignition source(s). P233 <b>Keep in a container tightly closed container.</b> P240 <b>Ground/Bond container and receiving equipment</b> - <i>if electrostatically sensitive material is for reloading.</i> — <i>if product is volatile so as to generate hazardous atmosphere.</i> P241 <b>Use explosion-proof electrical/ventilating/lighting/... equipment.</b> ... Manufacturer/supplier or the competent authority to specify equipment. - <i>if product is volatile so as to generate hazardous atmosphere</i> P242 <b>Use only non-sparking tools.</b> - <i>if product is volatile so as to generate hazardous atmosphere and sensitive to mechanical sparks</i> P243 <b>Take precautionary measures against static discharge.</b> - <i>if product is volatile so as to generate hazardous atmosphere and electrostatically sensitive</i> P280 <b>Wear protective gloves/eye protection/face protection</b> Manufacturer/supplier or the competent authority to specify type of equipment.	P303 + P361 + <del>P353</del> P352 <b>IF ON SKIN (or hair):</b> <del>Remove/Immediately Take off immediately</del> <b>all contaminated clothing . Wash before reuse. Rinse skin with water/shower. Wash skin with plenty of soap and water</b> P370 + P378 <b>In case of fire: Use ... for extinction.</b> ... Manufacturer/supplier or the competent authority to specify appropriate media. - <i>if water increases risk.</i>	P403 + P235 <b>Store in a well-ventilated place. Keep cool.</b>	P501 <b>Dispose of contents/container to...</b> ... in accordance with local/regional/national/international regulations (to be specified).



**FLAMMABLE LIQUIDS  
(CHAPTER 2.6)**

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

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

**FLAMMABLE LIQUIDS  
(CHAPTER 2.6)**

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

<b>Hazard category</b>	<b>Signal word</b>	<b>Hazard statement</b>
4	Warning	H227 Combustible liquid

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

**FLAMMABLE SOLIDS**  
(CHAPTER 2.7)

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



Hazard category	Signal word	Hazard statement
1	Danger	H228 Flammable solid
2	Warning	H228 Flammable solid

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

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

<b>Symbol</b> Exploding bomb
---------------------------------



<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/sparks/open flames/hot surfaces. - No smoking.</b> Manufacturer/supplier or the competent authority to specify applicable ignition source(s). P220 <b>Keep/Store away from clothing/.../combustible materials.</b> ... Manufacturer/supplier or the competent authority to specify other incompatible materials. - 'keep' should be used when the chemical should be kept away from the specified materials at all times, whereas 'store' should be used when this precaution only applies to storage - P234 <b>Keep only in original container.</b> <u>- repackaging may result in a different hazard category</u> P280 <b>Wear protective gloves/eye protection/face protection.</b> Manufacturer/supplier or the competent authority to specify type of equipment.	P370 + P378 <b>In case of fire: Use ... for extinction</b> ... Manufacturer/supplier or the competent authority to specify appropriate media. - <i>if water increases risk.</i> P370 + P380 + P375 <b>In case of fire: Evacuate area. Fight fire remotely due to the risk of explosion.</b>	P403 + P235 <b>Store in a well-ventilated place. Keep cool.</b> <u>P410</u> <b><u>Protect from sunlight</u></b> P411 <b>Store at temperatures not exceeding ...°C/...°F.</b> ... Manufacturer/supplier or the competent authority to specify temperature. <u>P420</u> <b><u>Store away from other materials.</u></b>	P501 <b>Dispose of contents/container to...</b> ... in accordance with local/regional/national/international regulations (to be specified).

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

<b>Symbol</b> Exploding 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
P210 <b>Keep away from heat/sparks/open flames/hot surfaces. - No smoking.</b> Manufacturer/supplier or the competent authority to specify applicable ignition source(s). P220 <b>Keep/Store away from clothing/.../combustible materials.</b> ... Manufacturer/supplier or the competent authority to specify other incompatible materials. P234 <b>Keep only in original container.</b> <u><i>- repackaging may result in a different hazard category</i></u> P280 <b>Wear protective gloves/eye protection/face protection.</b> Manufacturer/supplier or the competent authority to specify type of equipment.	P370 + P378 <b>In case of fire: Use ... for extinction.</b> <del>... Manufacturer/supplier or the competent authority to specify appropriate media.</del> <del>- if water increases risk</del> P370 + P380 + P375 <b>In case of fire: Evacuate area. Fight fire remotely due to the risk of explosion.</b>	P403 + P235 <b>Store in a well-ventilated place. Keep cool.</b> P410 <u><b>Protect from sunlight</b></u> P411 <b>Store at temperatures not exceeding ...°C/...°F.</b> ... Manufacturer/supplier or the competent authority to specify temperature. <del>P420</del> <b>Store away from other materials.</b>	P501 <b>Dispose of contents/container to...</b> ... in accordance with local/regional/national/international regulations (to be specified).

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

<b>Symbol</b> 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
P210 <b>Keep away from heat/sparks/open flames/hot surfaces. - No smoking.</b> Manufacturer/supplier or the competent authority to specify applicable ignition source(s). P220 <b>Keep/Store away from clothing/.../combustible materials.</b> ...Manufacturer/supplier or the competent authority to specify other incompatible materials. P234 <b>Keep only in original container.</b> <u><b>- repackaging may result in a different hazard category</b></u> P280 <b>Wear protective gloves/eye protection/face protection.</b> Manufacturer/supplier or the competent authority to specify type of equipment.	<del>P370 + P378</del> <b>In case of fire: Use ... for extinction</b> <del>... Manufacturer/supplier or the competent authority to specify appropriate media.</del> <del>— if water increases risk.</del>	P403 + P235 <b>Store in a well-ventilated place. Keep cool.</b> <u>P410</u> <b>Protect from sunlight</b> P411 <b>Store at temperatures not exceeding ...°C/...°F.</b> ...Manufacturer/supplier or the competent authority to specify temperature. <del>P420</del> <b>Store away from other materials.</b>	P501 <b>Dispose of contents/container to...</b> ...in accordance with local/regional/national/international regulations (to be specified).

**PYROPHORIC LIQUIDS  
(CHAPTER 2.9)**

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

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



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

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



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

<b>Precautionary statements</b>			
<b>Prevention</b>	<b>Response</b>	<b>Storage</b>	<b>Disposal</b>
P235 + P410 <b>Keep cool. Protect from sunlight.</b> P280 <b>Wear protective gloves/eye protection/face protection.</b> Manufacturer/supplier or the competent authority to specify type of equipment. P220 <u><b>Keep/store away from clothing/.../other materials/combustible materials.</b></u> <u>Manufacturer/supplier or the competent authority to specify other incompatible materials.</u> - 'keep' should be used when the chemical should be kept away from the specified materials at all times, whereas 'store' should be used when this precaution applies to storage		P407 <b>Maintain air gap between stacks/pallets.</b> 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. P420 <del><b>Store away from other materials.</b></del>	

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

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



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

Precautionary statements			
Prevention	Response	Storage	Disposal
P223 <b>Keep away from any possible contact with water, because of violent reaction and possible flash fire.</b> P231 + P232 <b>Handle under inert gas. Protect from moisture.</b> <b><u>P233</u></b> <b><u>Keep in a <del>container</del> tightly closed container</u></b> P280 <b>Wear protective gloves/eye protection/face protection.</b> Manufacturer/supplier or the competent authority to specify type of equipment.	P335 + P334 <b>Brush off loose particles from skin and immerse in cool water/wrap in wet bandages.</b> P370 + P378 <b>In case of fire: Use ... for extinction</b> ... Manufacturer/supplier or the competent authority to specify appropriate media. - <i>if water increases risk.</i>	P402 + <del>P404</del> <del>P233</del> <b>Store in a dry place. <del>Store in a closed container.</del> <u>Keep in a tightly closed container.</u></b>	P501 <b>Dispose of contents/container to...</b> ...in accordance with local/regional/national/international regulations (to be specified).

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

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

**Hazard category**

3

**Signal word**

Warning

**Hazard statement**

H261 In contact with water releases flammable gas



Precautionary statements			
Prevention	Response	Storage	Disposal
P231 + P232 <b>Handle under inert gas. Protect from moisture.</b> P233 <b><u>Keep in a container tightly closed container</u></b> P280 <b>Wear protective gloves/eye protection/face protection.</b> Manufacturer/supplier or the competent authority to specify type of equipment.	P370 + P378 <b>In case of fire: Use ... for extinction.</b> ... Manufacturer/supplier or the competent authority to specify appropriate media. - <i>if water increases risk.</i>	P402 + <del>P404</del> P233 <b>Store in a dry place. <del>Store in a closed container.</del> <u>Keep in a tightly closed container.</u></b>	P501 <b>Dispose of contents/container to...</b> ... in accordance with local/regional/national/international regulations (to be specified).

**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.</b> P220 <b>Keep/Store away from clothing and other combustible materials.</b> P221 <del>Take any precaution to avoid mixing with combustibles/...</del> <b>Do not mix with combustibles/...</b> ... Manufacturer/supplier or the competent authority to specify other incompatible materials. P280 <b>Wear protective gloves /eye protection/face protection/...</b> <i>- specify fire/flame resistant/retardant clothing</i> P283 <b>Wear fire/flame resistant/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 ... for extinction.</b> ... Manufacturer/supplier or the competent authority to specify appropriate media. <i>- if water increases risk.</i>		P501 <b>Dispose of contents/container to...</b> ...in accordance with local/regional/national/international regulations (to be specified).

**OXIDIZING LIQUIDS**  
(CHAPTER 2.13)

**Symbol**  
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
<p>P210 <b>Keep away from heat.</b></p> <p>P220 <b>Keep/Store away from clothing/.../combustible materials.</b> ...Manufacturer/supplier or the competent authority to specify other incompatible materials. - 'keep' should be used when the chemical should be kept away from the specified materials at all times, whereas 'store' should be used only when this precaution only applies to storage</p> <p>P221 <b>Take any precaution to avoid mixing with combustibles/... Do not mix with combustibles/...</b> ... Manufacturer/supplier or the competent authority to specify other incompatible materials.</p> <p>P280 <b>Wear protective gloves /eye protection/face protection/...</b> - specify fire/ flame resistant/retardant clothing</p>	<p>P370 + P378 <b>In case of fire: Use ... for extinction.</b> ... Manufacturer/supplier or the competent authority to specify appropriate media. - if water increases risk.</p>		<p>P501 <b>Dispose of contents/container to...</b> ...in accordance with local/regional/national/international regulations (to be specified).</p>

**OXIDIZING SOLIDS  
(CHAPTER 2.14)**

**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.</b> P220 <b>Keep away from clothing and other combustible materials.</b> P221 <del>Take any precaution to avoid mixing with combustibles/...</del> <b>Do not mix with combustibles/...</b> ...Manufacturer/supplier or the competent authority to specify other incompatible materials. P280 <b>Wear protective gloves /eye protection/face protection/...</b> <i>- specify fire/ flame resistant/retardant clothing</i> P283 <b>Wear fire/flame resistant/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 ... for extinction.</b> ... Manufacturer/supplier or the competent authority to specify appropriate media. - <i>if water increases risk.</i>		P501 <b>Dispose of contents/container to...</b> ...in accordance with local/regional/national/international regulations (to be specified).

**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.</b>  P220 <b>Keep/Store away from clothing/.../ combustible materials.</b> ... Manufacturer/supplier or the competent authority to specify incompatible materials.  P221 <del>Take any precaution to avoid mixing with combustibles/...</del> <b>Do not mix with combustibles/...</b> ...Manufacturer/supplier or the competent authority to specify other incompatible materials.  <u>- 'keep' should be used where temperature should never be exceeded</u>  <u>- 'store' should be used where temperature should only not be exceeded in storage.</u>  P280 <b>Wear protective gloves /eye protection/face protection/...</b> - specify fire/ flame resistant/retardant clothing	P370 + P378 <b>In case of fire: Use ... for extinction.</b> ... Manufacturer/supplier or the competent authority to specify appropriate media. - <i>if water increases risk.</i>		P501 <b>Dispose of contents/container to...</b> ... in accordance with local/regional/national/international regulations (to be specified).

**ORGANIC PEROXIDES  
(CHAPTER 2.15)**

<b>Symbol</b> Exploding bomb
---------------------------------



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

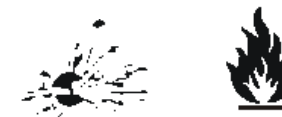
Precautionary statements			
Prevention	Response	Storage	Disposal
<p>P210 <b>Keep away from heat/sparks/open flames/hot surfaces.- No smoking.</b> Manufacturer/supplier or the competent authority to specify applicable ignition source(s).</p> <p>P220 <b>Keep/Store away from clothing/.../combustible materials.</b> ... Manufacturer/supplier or the competent authority to specify incompatible materials.</p> <p>- <b>'keep' should be used when the chemical should be kept away from the specified materials at all times, whereas 'store' should be used when this precaution only applies to storage</b></p> <p>P234 Keep only in original container. - repackaging may result in a different hazard category</p> <p>P280 <b>Wear protective gloves/eye protection/face protection.</b> Manufacturer/supplier or the competent authority to specify type of equipment.</p>	<p><u>P370 + P378</u> <b><u>In case of fire: Use ... for extinction</u></b> <u>... Manufacturer/supplier to specify appropriate media.</u></p> <p>- <i>if water increases risk</i></p> <p><u>P370 + P380 + P375</u> <b><u>In case of fire: Evacuate area. Fight fire remotely due to the risk of explosion.</u></b></p>	<p>P411 + P235 <b>Store at temperatures not exceeding ...°C/...°F. Keep cool.</b> ... Manufacturer/supplier or the competent authority to specify temperature.</p> <p><u>P403 + P235</u> <b><u>Store in a well-ventilated place. Keep cool</u></b></p> <p>P410 <b>Protect from sunlight.</b></p> <p><del>P420</del> <del><b>Store away from other materials.</b></del></p>	<p>P501 <b>Dispose of contents/container to...</b> ... in accordance with local/regional/national/international regulations (to be specified).</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/sparks/open flames/hot surfaces. - No smoking.</b> Manufacturer/supplier or the competent authority to specify applicable ignition source(s).</p> <p>P220 <b>Keep /Store away from clothing/.../combustible materials.</b> ... Manufacturer/supplier or the competent authority to specify incompatible materials.</p> <p>P234 <b>Keep only in original container.</b> <u><i>- repackaging may result in a different hazard category</i></u></p> <p>P280 <b>Wear protective gloves/eye protection/face protection.</b> Manufacturer/supplier or the competent authority to specify type of equipment.</p>	<p>P370 + P378 <b><u>In case of fire: Use ... for extinction</u></b> <u>... Manufacturer/supplier to specify appropriate media.</u></p> <p style="text-align: center;">- <i>if water increases risk</i></p> <p>P370 + P380 + P375 <b><u>In case of fire: Evacuate area. Fight fire remotely due to the risk of explosion.</u></b></p>	<p>P411 + P235 <b>Store at temperatures not exceeding ...°C/...°F. Keep cool.</b> Manufacturer/supplier or the competent authority to specify temperature.</p> <p>P403 + P235 <b><u>Store in a well-ventilated place. Keep cool</u></b></p> <p>P410 <b>Protect from sunlight.</b></p> <p>P420 <b>Store away from other materials.</b></p>	<p>P501 <b>Dispose of contents/container to...</b> ... in accordance with local/regional/national/international regulations (to be specified).</p>

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

<b>Symbol</b> 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/sparks/open flames/hot surfaces. - No smoking.</b>            Manufacturer/supplier or the competent authority to specify applicable ignition source(s).</p> <p>P220  <b>Keep/Store away from clothing/.../ combustible materials</b>            ... Manufacturer/supplier or the competent authority to specify incompatible materials.</p> <p>P234  <b>Keep only in original container.</b>  <b><u>- repackaging may result in a different hazard category</u></b></p> <p>P280  <b>Wear protective gloves/eye protection/face protection.</b>            Manufacturer/supplier or the competent authority to specify type of equipment.</p>	<p><u>P370 + P378</u>  <b><u>In case of fire: Use ... for extinction</u></b>  <u>... Manufacturer/supplier to specify appropriate media.</u></p> <p>- <i>if water increases risk</i></p>	<p>P411 + P235  <b>Store at temperatures not exceeding ...°C/...°F. Keep cool.</b>            ... Manufacturer/supplier or the competent authority to specify temperature.</p> <p><u>P403 + P235</u>  <b><u>Store in a well-ventilated place. Keep cool</u></b></p> <p>P410  <b>Protect from sunlight.</b></p> <p><del>P420</del>  <b><del>Store away from other materials.</del></b></p>	<p>P501  <b>Dispose of contents/container to...</b>            ... in accordance with local/regional/national/international regulations (to be specified).</p>

**CORROSIVE TO METALS**  
(CHAPTER 2.16)

<b>Symbol</b> Corrosion
----------------------------

<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 Keep only in original container.	P390 Absorb spillage to prevent material-damage.	P406 Store in corrosive resistant/... container with a resistant inner liner. ... Manufacturer/supplier or the competent authority to specify other compatible materials.	

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

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



Hazard category	Signal word	Hazard statement
1	Danger	H300 Fatal if swallowed
2	Danger	H300 Fatal 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/<del>or</del> doctor/physician/...</b>  <u><b>Manufacturer/supplier or the competent authority to specify the appropriate source of medical attention.</b></u>  <u><b>The statement "Get immediate medical advice/attention" may be used on labels where more than one possible source of medical attention is available.</b></u>  P321 <b>Specific treatment (see ... on this label)</b> ... Reference to supplemental first aid instruction. - <i>if immediate administration of antidote is required.</i>  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).

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

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

<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/<del>or</del> doctor/physician/...</b> <u><b>Manufacturer/supplier or the competent authority to specify the appropriate source of medical attention.</b></u> <u><b>The statement "Get immediate medical advice/attention" may be used on labels where more than one possible source of medical attention is available.</b></u>  P321 <b>Specific treatment (see ... on this label)</b> ... Reference to supplemental first aid instruction. - <i>if immediate administration of antidote is required.</i>  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).

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

<b>Symbol</b> Exclamation mark
-----------------------------------



<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 or/doctor/physician/... if you feel unwell.</b>  <u><b>Manufacturer/supplier or the competent authority to specify the appropriate source of medical attention.</b></u>  <u><b>The statement "Get medical advice/attention if you feel unwell" may be used on labels where more than one possible source of medical attention is available.</b></u>  P330 <b>Rinse mouth.</b>		P501 <b>Dispose of contents/container to...</b> ... in accordance with local/regional/national/international regulations (to be specified).

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

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

<b>Hazard category</b>	<b>Signal word</b>	<b>Hazard statement</b>
5	Warning	H303      May be harmful if swallowed

Precautionary statements			
Prevention	Response	Storage	Disposal
	P312 Call a POISON CENTER/doctor/physician/... if you feel unwell. <u>Manufacturer/supplier or the competent authority to specify the appropriate source of medical attention.</u>  <u>The statement "Get medical advice/attention if you feel unwell" may be used on labels where more than one possible source of medical attention is available.</u>		

**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 to specify type of equipment.	P302 + <del>P350</del> + P352 <b>IF ON SKIN (or hair): Gently wash with plenty of soap and water. Wash skin with plenty of soap and water.</b>  P310 <b>Immediately call a POISON CENTER/ or doctor/physician/...</b>  <u>Manufacturer/supplier or the competent authority to specify the appropriate source of medical attention.</u>  <u>The statement "Get immediate medical advice/attention" may be used on labels where more than one possible source of medical attention is available.</u>  <del>P322</del> <del>Specific measures (see ... on this label)</del> P321 <u>Specific treatment (see ... on this label)</u>  ... Reference to supplemental first aid instruction. - if immediate measures such as specific cleansing agent is advised.  P361 <b>Remove Immediately Take off immediately all contaminated clothing . Wash before reuse.</b>  <del>P363</del> <del>Wash contaminated clothing before reuse.</del>	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).



**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 to specify type of equipment.	P302 + P352 <b>IF ON SKIN (or hair): Wash skin with plenty of soap and water.</b>  P312 <b>Call a POISON CENTRE/doctor/physician/... if you feel unwell.</b> <u>Manufacturer/supplier or the competent authority to specify the appropriate source of medical attention.</u>  <u>The statement "Get medical advice/attention if you feel unwell" may be used on labels where more than one possible source of medical attention is available.</u>  P322 <del>Specific measures (see ... on this label)</del> P321 <u>Specific treatment (see ... on this label)</u>  ... Reference to supplemental first aid instruction. - if measures such as specific cleansing agent is advised.  P361 <b>Remove Immediately Take off immediately all contaminated clothing . Wash before reuse.</b>  P363 <del>Wash contaminated clothing before reuse.</del>	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).

ACUTE TOXICITY - DERMAL  
(CHAPTER 3.1)

<b>Symbol</b> Exclamation mark 
--

<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 to specify type of equipment.	P302 + P352 <b>IF ON SKIN (or hair): Wash <u>skin</u> with plenty of soap and water.</b> P312 <b>Call a POISON CENTER/<del>or</del> doctor/physician/... if you feel unwell.</b> <u><b>Manufacturer/supplier or the competent authority to specify the appropriate source of medical attention.</b></u> <u><b>The statement "Get medical advice/attention if you feel unwell" may be used on labels where more than one possible source of medical attention is available.</b></u> <del>P322</del> <del><b>Specific measures (see ... on this label)</b></del> P321 <u><b>Specific treatment (see ... on this label)</b></u> ... Reference to supplemental first aid instruction. - <i>if measures such as specific cleansing agent is advised.</i> P362 <u><b>Take off <del>all</del> contaminated clothing. Wash before re-use</b></u> <del>P363</del> <del><b>Wash contaminated clothing before reuse.</b></del>		P501 <b>Dispose of contents/container to...</b> ... in accordance with local/regional/national/international regulations (to be specified).

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

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

<b>Hazard category</b>	<b>Signal word</b>	<b>Hazard statement</b>
5	Warning	H313 May be harmful in contact with skin

Precautionary statements			
Prevention	Response	Storage	Disposal
	P312 Call a POISON CENTER/ <del>or</del> doctor/physician/ <u>...</u> if you feel unwell.  <u>Manufacturer/supplier or the competent authority to specify the appropriate source of medical attention.</u>  <u>The statement "Get medical advice/attention if you feel unwell" may be used on labels where more than one possible source of medical attention is available.</u>		

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

<b>Symbol</b> 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
P260 <b>Do not create/breathe dust/fume/gas/mist/vapours/spray.</b> Manufacturer/supplier or the competent authority to specify <u>practicable precaution and</u> applicable conditions.  P271 <b>Use only outdoors or in a well-ventilated area.</b>  P284 <b>Wear respiratory protection.</b> Manufacturer/supplier or the competent authority to specify equipment.	P304 + P340 <b>IF INHALED: Remove <del>victim</del> individual to fresh air and keep at rest in a position comfortable for breathing.</b>  P310 <b>Immediately call a POISON CENTER/<del>or</del> doctor/physician/...</b>  <u>Manufacturer/supplier or the competent authority to specify the appropriate source of medical attention.</u>  <u>The statement "Get immediate medical advice/attention" may be used on labels where more than one possible source of medical attention is available.</u>  <del>P320</del> <b>Specific treatment is urgent (see ... on this label)</b> P321 <u>Specific treatment (see ... on this label)</u>  ... Reference to supplemental first aid instruction. - <i>if immediate administration of antidote is required.</i>	P403 + P233 <b>Store in a well-ventilated place. Keep in a <del>container</del> tightly closed container.</b> - <i>if product is volatile as to generate 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).

**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 <del>Avoid breathing dust/fume/gas/mist/vapours/spray.</del>  P260 <u>Do not create/breathe dust/fume/gas/mist/vapours/spray</u> Manufacturer/supplier or the competent authority to specify <u>practicable precaution and</u> applicable conditions.  P271 Use only outdoors or in a well-ventilated area.	P304 + P340 <b>IF INHALED: Remove victim individual to fresh air and keep at rest in a position comfortable for breathing.</b>  P311 Call a POISON CENTER/ <del>or</del> doctor/physician. <u>Manufacturer/supplier or the competent authority to specify the appropriate source of medical attention.</u>  <u>The statement "Get medical advice/attention" may be used on labels where more than one possible source of medical attention is available.</u>  P321 Specific treatment (see ... on this label)  P321 <u>Specific treatment (see ... on this label)</u>  ... Reference to supplemental first aid instruction. - if immediate specific measures are required.	P403 + P233 <b>Store in a well-ventilated place. Keep in a container tightly closed container.</b> - if product is volatile so as to generate hazardous atmosphere.  P405 Store locked up.	P501 <b>Dispose of content/container to...</b> ... in accordance with local/regional/national/international regulations (to be specified).

ACUTE TOXICITY - INHALATION  
(CHAPTER 3.1)

<b>Symbol</b> Exclamation mark
-----------------------------------



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

Precautionary statements			
Prevention	Response	Storage	Disposal
<p>P261 <del>Avoid breathing dust/fume/gas/mist/vapours/spray.</del></p> <p>P260 <u>Do not create/breathe dust/fume gas/mist/vapours/spray</u></p> <p>Manufacturer/supplier or the competent authority to specify <u>practicable precaution and</u> applicable conditions.</p> <p>P271 Use only outdoors or in a well-ventilated area.</p>	<p>P304 + P340 <b>IF INHALED: Remove <del>victim</del> individual to fresh air and keep at rest in a position comfortable for breathing.</b></p> <p>P312 <b>Call a POISON CENTER/<del>or</del> doctor/physician/... if you feel unwell.</b></p> <p><u>Manufacturer/supplier or the competent authority to specify the appropriate source of medical attention.</u></p> <p><u>The statement "Get medical advice/attention if you feel unwell" may be used on labels where more than one possible source of medical attention is available.</u></p>		

**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: Call a POISON CENTER/☎<del>er</del></b> <b>doctor/physician/... if you feel unwell.</b>  <u>Manufacturer/supplier or the competent authority to specify the appropriate source of medical attention.</u>  <u>The statement "Get medical advice/attention if you feel unwell" may be used on labels where more than one possible source of medical attention is available.</u>		

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

<b>Symbol</b> Corrosion
----------------------------



**Hazard category**  
1A to 1C

**Signal word**  
Danger

**Hazard statement**  
H314 Causes severe skin burns and eye damage

Precautionary statements			
Prevention	Response	Storage	Disposal
<p>P260 <b>Do not breathe dusts or mists.</b> <i>- if inhalable particles of dusts or mists may occur during use.</i></p> <p>P264 <b>Wash ...thoroughly after handling.</b> ...Manufacturer/supplier or the competent authority to specify parts of the body to be washed after handling.</p> <p>P280 <b>Wear protective gloves/protective clothing/eye protection/face protection.</b> Manufacturer/supplier or the competent authority to specify type of equipment.</p>	<p>P301 + P330 + P331 <b>IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.</b></p> <p>P303 + P361 + <del>P353</del> P352 <b>IF ON SKIN (or hair): <del>Remove Immediately</del> Take off immediately all contaminated clothing . Wash before reuse. Rinse skin with water/shower. Wash skin with plenty of soap and water.</b></p> <p><del>P363</del> <del>Wash contaminated clothing before reuse.</del></p> <p>P304 + P340 <b>IF INHALED: Remove <del>victim</del> individual to fresh air and keep at rest in a position comfortable for breathing.</b></p> <p>P310 <b>Immediately call a POISON CENTER/doctor/physician/...</b> <b><u>Manufacturer/supplier or the competent authority to specify the appropriate source of medical attention.</u></b> <b><u>The statement "Get immediate medical advice/attention" may be used on labels where more than one possible source of medical attention is available.</u></b></p> <p>P321 <b>Specific treatment (see ... on this label)</b> ... Reference to supplemental first aid instruction. <i>- Manufacturer/supplier or the competent authority may specify a cleansing agent if appropriate.</i></p> <p>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></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).</p>



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

<b>Symbol</b> Exclamation mark
-----------------------------------

<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 to specify type of equipment.	P302 + P352 <b>IF ON SKIN (or hair): Wash skin with plenty of soap and water.</b>  P321 <b>Specific treatment (see ... on this label)</b> ... Reference to supplemental first aid instruction. - <i>Manufacturer/supplier or the competent authority may specify a cleansing agent if appropriate.</i>  <del>P332 + P313</del> <del><b>If skin irritation occurs: Get medical advice/attention.</b></del>  P333 + P311  <u><b>If skin irritation or rash occurs: Call a POISON CENTER/doctor/physician/...</b></u>  <u><b>Manufacturer/supplier or the competent authority to specify the appropriate source of medical attention.</b></u>  <u><b>The statement "Get medical advice/attention" may be used on labels where more than one possible source of medical attention is available.</b></u>  P362 Take off contaminated clothing . Wash before reuse.		

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

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

<b>Hazard category</b>	<b>Signal word</b>	<b>Hazard statement</b>
3	Warning	H316 Causes mild skin irritation

Precautionary statements			
Prevention	Response	Storage	Disposal
	<p>P332 + P313  <b><del>If skin irritation occurs: Get medical advice/attention.</del></b>                      P333 + P311  <b><u>If skin irritation or rash occurs: Call a POISON CENTER/doctor/physician/...</u></b>  <b><u>Manufacturer/supplier or the competent authority to specify the appropriate source of medical attention.</u></b>    <b><u>The statement "Get medical advice/attention" may be used on labels where more than one possible source of medical attention is available.</u></b></p>		

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

<b>Symbol</b> Corrosion
----------------------------

<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 to specify type of equipment.	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/physician/...</b> <u><b>Manufacturer/supplier or the competent authority to specify the appropriate source of medical attention.</b></u>  <u><b>The statement "Get immediate medical advice/attention" may be used on labels where more than one possible source of medical attention is available.</b></u>		

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

<b>Symbol</b> Exclamation mark
-----------------------------------



<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 to specify type of equipment.	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 + <del>P343</del> <b>If eye irritation persists: <del>Get medical advice/attention.</del> <u>Call a POISON CENTER/doctor/physician/...</u></b>  <u><b>Manufacturer/supplier or the competent authority to specify the appropriate source of medical attention.</b></u>  <u><b>The statement "Get medical advice/attention" may be used on labels where more than one possible source of medical attention is available.</b></u>		

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

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

<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 + <del>P313</del> <b>If eye irritation persists: <del>Get medical advice/attention.</del> <u>Call a POISON CENTER/doctor/physician/...</u></b>  <u><b>Manufacturer/supplier or the competent authority to specify the appropriate source of medical attention.</b></u>  <u><b>The statement "Get medical advice/attention" may be used on labels where more than one possible source of medical attention is available.</b></u>		

SENSITIZATION - RESPIRATORY  
(CHAPTER 3.4)

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



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

Precautionary statements			
Prevention	Response	Storage	Disposal
<p><del>P261</del> <del>Avoid breathing dust/fume/gas/mist/vapours/spray.</del></p> <p>P260 <b><u>Do not create/breathe dust/fume/gas/mist/vapours/spray</u></b> Manufacturer/supplier or the competent authority to specify <b><u>practicable precaution and</u></b> applicable conditions.</p> <p>P284 <b><u>Wear respiratory protection</u></b> Manufacturer/supplier or the competent authority to specify equipment</p> <p>P285 <del>In case of inadequate ventilation wear respiratory protection.</del> Manufacturer/supplier or the competent authority to specify equipment</p>	<p>P304 + P341 <b>IF INHALED: If breathing is difficult, remove <del>victim</del> individual to fresh air and keep at rest in a position comfortable for breathing.</b></p> <p><del>P342 + P311</del> <b>If experiencing respiratory symptoms: Call a POISON CENTER/ or doctor/physician.</b></p> <p><b><u>Manufacturer/supplier or the competent authority to specify the appropriate source of medical attention.</u></b></p> <p><b><u>The statement "Get medical advice/attention" may be used on labels where more than one possible source of medical attention is available.</u></b></p>		<p>P501 <b>Dispose of contents/container to...</b> ... in accordance with local/regional/national/international regulations (to be specified).</p>

SENSITIZATION - SKIN  
(CHAPTER 3.4)

<b>Symbol</b> Exclamation mark
-----------------------------------

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

Precautionary statements			
Prevention	Response	Storage	Disposal
<p><del>P261</del> <del>Avoid breathing dust/fume/gas/mist/vapours/spray.</del></p> <p>P260 <u><b>Do not create/breathe dust/fume gas/mist/vapours/spray</b></u> Manufacturer/supplier or the competent authority to specify <b>practicable precaution and</b> applicable conditions.</p> <p>P272 <b>Contaminated work clothing should not be allowed out of the workplace.</b></p> <p>P280 <b>Wear protective gloves.</b> Manufacturer/supplier or the competent authority to specify type of equipment.</p>	<p>P302 + P352 <b>IF ON SKIN (or hair): Wash skin with plenty of soap and water.</b></p> <p>P333 + <del>P313</del> + P311 <b>If skin irritation or rash occurs: <del>Get medical advice/attention.</del> Call a POISON CENTER/doctor/physician/...</b></p> <p><u><b>Manufacturer/supplier or the competent authority to specify the appropriate source of medical attention.</b></u></p> <p><u><b>The statement "Get medical advice/attention" may be used on labels where more than one possible source of medical attention is available.</b></u></p> <p>P321 <b>Specific treatment (see ... on this label)</b> ... Reference to supplemental first aid instruction. - <i>Manufacturer/supplier or the competent authority may specify a cleansing agent if appropriate.</i></p> <p>P362 <b><u>Take off all contaminated clothing. Wash before re-use</u></b></p> <p>P363 <b><del>Wash contaminated clothing before reuse.</del></b></p>		<p>P501 <b>Dispose of contents/container to...</b> ... in accordance with local/regional/national/international regulations (to be specified).</p>

GERM CELL MUTAGENICITY  
(CHAPTER 3.5)

**Symbol**  
Health hazard



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

Precautionary statements			
Prevention	Response	Storage	Disposal
<p><del>P201</del>  <del>Obtain special instructions before use.</del></p> <p>P202  Do not handle until all safety precautions have been read and understood.</p> <p><del>P280</del>  Wear protective gloves/protective clothing/eye protection/face protection</p> <p><u>Manufacturer/supplier or the competent authority to specify appropriate personal protective equipment.</u></p> <p><del>P281</del>  Use personal protective equipment as required.</p>	<p>P308 + <del>P313</del> + P311  <b>IF exposed or concerned: <del>Get medical advice/attention.</del> Call a POISON CENTER/doctor/physician/...</b></p> <p><u>Manufacturer/supplier or the competent authority to specify the appropriate source of medical attention.</u></p> <p><u>The statement "Get medical advice/attention" may be used on labels where more than one possible source of medical attention is available.</u></p>	<p>P405  Store locked up.</p>	<p>P501  <b>Dispose of contents/container to...</b> ... in accordance with local/regional/national/international regulations (to be specified).</p>



**CARCINOGENICITY  
(CHAPTER 3.6)**

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



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
<p><del>P201</del> <del>Obtain special instructions before use.</del></p> <p>P202 Do not handle until all safety precautions have been read and understood.</p> <p><u>P280</u> Wear protective gloves/protective clothing/eye protection/face protection</p> <p><u>Manufacturer/supplier or the competent authority to specify appropriate personal protective equipment.</u></p> <p><del>P281</del> <del>Use personal protective equipment as required.</del></p>	<p>P308 + <del>P313</del> + P311 <b><u>IF exposed or concerned: Get medical advice/attention. Call a POISON CENTER/doctor/physician/...</u></b></p> <p><b><u>Manufacturer/supplier or the competent authority to specify the appropriate source of medical attention.</u></b></p> <p><b><u>The statement "Get medical advice/attention" may be used on labels where more than one possible source of medical attention is available.</u></b></p>	<p>P405 Store locked up.</p>	<p>P501 <b>Dispose of contents/container to...</b> ... in accordance with local/regional/national/international regulations (to be specified).</p>

**TOXIC TO REPRODUCTION  
(CHAPTER 3.7)**

<b>Symbol</b> 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 <u>Wear protective gloves/protective clothing/eye protection/face protection</u>  <u>Manufacturer/supplier or the competent authority to specify appropriate personal protective equipment.</u>  P281 <b>Use personal protective equipment as required.</b>	P308 + P313 + P311 <b>IF exposed or concerned: Get medical advice/attention. Call a POISON CENTER/doctor/physician/...</b>  <u>Manufacturer/supplier or the competent authority to specify the appropriate source of medical attention.</u>  <u>The statement "Get medical advice/attention" may be used on labels where more than one possible source of medical attention is available.</u>	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).

**TOXIC TO REPRODUCTION**  
**(CHAPTER 3.7)**  
**(effects on or via lactation)**

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

<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
---	---	--

Precautionary statements			
Prevention	Response	Storage	Disposal
<p><del>P201</del> <del>Obtain special instructions before use.</del></p> <p>P202 <b><u>Do not handle until all safety precautions have been read and understood</u></b></p> <p>P260 <b>Do not breathe dusts or mists.</b> <i>- if inhalable particles of dusts or mists may occur during use.</i></p> <p>P263 <b>Avoid contact during pregnancy/while nursing.</b></p> <p>P264 <b>Wash ... thoroughly after handling.</b> ...Manufacturer/supplier or the competent authority to specify parts of the body to be washed after handling.</p> <p>P270 <b>Do not eat, drink or smoke when using this product.</b></p>	<p><del>P308 + P313</del> + P311</p> <p><b><u>IF exposed or concerned: Get medical advice/attention. Call a POISON CENTER/doctor/physician/...</u></b></p> <p><b><u>Manufacturer/supplier or the competent authority to specify the appropriate source of medical attention.</u></b></p> <p><b><u>The statement "Get medical advice/attention" may be used on labels where more than one possible source of medical attention is available.</u></b></p>		

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

<b>Symbol</b> 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>	<del>P307 + P311</del> <del><b>IF exposed: call a POISON CENTER or doctor/physician.</b></del>  P307 + P311 <b>IF exposed: Call a POISON CENTER/ or doctor/physician...</b>  <u><b>Manufacturer/supplier or the competent authority to specify the appropriate source of medical attention.</b></u>  <u><b>The statement "Get medical advice/attention" may be used on labels where more than one possible source of medical attention is available.</b></u>  P321 <b>Specific treatment (see ... on this label)</b> ... Reference to supplemental first aid instruction. - if immediate measures are required.	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).

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

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

<b>Hazard category</b>	<b>Signal word</b>	<b>Hazard statement</b>
2	Warning	H371 May cause damage to organs <...> <<...>> <...> (or state all organs affected, if known) <<...>> (state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard)



Precautionary statements			
Prevention	Response	Storage	Disposal
P260 <b>Do not create/breathe dust/fume/gas/mist/vapours/spray.</b> Manufacturer/supplier or the competent authority to specify <b>practicable precaution and</b> 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>	P309 + P311 <b>IF exposed or if you feel unwell: Call a POISON CENTER or doctor/physician.</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).

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

<b>Symbol</b> Exclamation mark
-----------------------------------



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
<p><del>P261</del>  <b>Avoid breathing dust/fume/gas/mist/vapours/spray.</b></p> <p>P260  <b><u>Do not create/breathe dust/fume/gas/mist/vapours/spray</u></b></p> <p>Manufacturer/supplier or the competent authority to specify <b><u>practicable precaution and</u></b> applicable conditions.</p> <p>P271  <b>Use only outdoors or in a well-ventilated area.</b></p>	<p>P304 + P340  <b>IF INHALED: Remove <del>victim</del> <u>individual</u> to fresh air and keep at rest in a position comfortable for breathing.</b></p> <p>P312  <b>Call a POISON CENTER/<del>or</del> <u>doctor/physician/...</u> if you feel unwell.</b></p> <p><b><u>Manufacturer/supplier or the competent authority to specify the appropriate source of medical attention.</u></b></p> <p><b><u>The statement "Get medical advice/attention if you feel unwell" may be used on labels where more than one possible source of medical attention is available.</u></b></p>	<p>P403 + P233  <b>Store in a well-ventilated place. Keep in a <del>container</del> <u>container</u> tightly closed <u>container</u>.</b>  <i>- if product is volatile so as to generate 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).</p>

**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>
1	Danger	H372 Causes damage to organs <...> through prolonged or repeated exposure <<...>> <...> (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 create/breathe dust/fume/gas/mist/vapours/spray.</b> Manufacturer/supplier or the competent authority to specify <b>practicable precaution and</b> 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>  <b><u>P312 Call a POISON CENTER/doctor/physician... if you feel unwell</u></b>  <b><u>Manufacturer/supplier or the competent authority to specify the appropriate source of medical attention.</u></b>  <b><u>The statement "Get medical advice/attention if you feel unwell" may be used on labels where more than one possible source of medical attention is available.</u></b>		P501 <b>Dispose of contents/container to...</b> ... in accordance with local/regional/national/international regulations (to be specified).

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

**Symbol**  
 Health hazard



Hazard category	Signal word	Hazard statement
2	Warning	H373 May cause damage to organs <...> through prolonged or repeated exposure <<...>> <...> (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 create/breathe dust/fume/gas/mist/vapours/spray.</b> Manufacturer/supplier or the competent authority to specify <b>practicable precaution and</b> applicable conditions.	P314 <b>Get medical advice/attention if you feel unwell.</b>  <b>P312 Call a POISON CENTER/doctor/physician... if you feel unwell</b>  <b>Manufacturer/supplier or the competent authority to specify the appropriate source of medical attention.</b>  <b>The statement "Get medical advice/attention if you feel unwell" may be used on labels where more than one possible source of medical attention is available.</b>		P501 <b>Dispose of contents/container to...</b> ... in accordance with local/regional/national/international regulations (to be specified).



**ASPIRATION HAZARD  
(CHAPTER 3.10)**

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

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



Precautionary statements			
Prevention	Response	Storage	Disposal
	P301 + P310 <b>IF SWALLOWED: Immediately call a POISON CENTER/doctor/physician/...  <u>Manufacturer/supplier or the competent authority to specify the appropriate source of medical attention.</u></b> <b><u>The statement "Get immediate medical advice/attention" may be used on labels where more than one possible source of medical attention is available.</u></b> 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).

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

<b>Symbol</b> Environment
------------------------------

<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).

**HAZARDOUS TO THE AQUATIC ENVIRONMENT - 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).

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

<b>Symbol</b> Environment
------------------------------



<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).

**HAZARDOUS TO THE AQUATIC ENVIRONMENT - LONG-TERM 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).

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

<b>Symbol</b> Exclamation mark
-----------------------------------

<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 <b>Refer to manufacturer/supplier for information on recovery/recycling</b>

-----