



EUROPEAN COMMISSION

Brussels, **XXX**  
[...] (2012) **XXX** draft

**COMMISSION REGULATION (EU) No .../..**

**of **XXX****

**amending, for the purposes of its adaptation to technical and scientific progress,  
Regulation (EC) No 1272/2008 of the European Parliament and of the Council on  
classification, labelling and packaging of substances and mixtures**

(Text with EEA relevance)

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Regulation (EC) No 1272/2008 of the European Parliament and of the Council on  
classification, labelling and packaging of substances and mixtures**

(Text with EEA relevance)

THE EUROPEAN COMMISSION,

Having regard to the Treaty on the Functioning of the European Union,

Having regard to Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006<sup>1</sup>, and in particular Article 53 thereof,

Whereas:

- (1) Regulation (EC) No 1272/2008 harmonises the provisions and criteria for the classification and labelling of substances, mixtures and certain specific articles within the Union.
- (2) That Regulation takes into account the Globally Harmonised System of Classification and Labelling of Chemicals (hereinafter 'GHS') of the United Nations (UN).
- (3) The classification criteria and labelling rules of the GHS are periodically reviewed at UN level. The fourth revised edition of the GHS was adopted in December 2010 by the United Nations Committee of Experts on the Transport of Dangerous Goods and on the Globally Harmonised System of Classification and Labelling of Chemicals. It contains amendments concerning, inter alia, new hazard categories for chemically unstable gases and non-flammable aerosols and further rationalisation of precautionary statements. It is therefore necessary to adapt the technical provisions and criteria in the Annexes to Regulation (EC) No 1272/2008 to the fourth revised edition of the GHS.
- (4) The GHS allows authorities to adopt labelling derogations for substances or mixtures classified as corrosive to metals but not corrosive to skin and/or eyes. It also allows the possibility to omit certain label elements from the packaging where the volume of the substance or mixture is below a certain amount. Provisions should be included to implement those measures at the Union level.

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<sup>1</sup> OJ L 353, 31.12.2008, p. 1.

- (5) The terminology of different provisions in the Annexes and certain technical criteria should also be amended to facilitate implementation by operators and enforcement authorities, to improve consistency of the legal text and to enhance clarity.
- (6) To ensure that suppliers of substances can adapt to the new classification, labelling and packaging provisions introduced by this Regulation, a transitional period should be provided and the application of this Regulation should be deferred. This should allow for the possibility to apply the provisions laid down in this Regulation on a voluntary basis before the transitional period is over.
- (7) The measures provided for in this Regulation are in accordance with the opinion of the Committee established under Article 133 of Regulation (EC) No 1907/2006 of the European Parliament and of the Council<sup>2</sup>,

HAS ADOPTED THIS REGULATION:

#### *Article 1*

Regulation (EC) No 1272/2008 is amended as follows:

- (1) In Article 14(2), point (c) is deleted;
- (2) In Article 23, the following point (f) is added:

“(f) substances or mixtures classified as corrosive to metals but not corrosive to skin and/or eyes.”;
- (3) Annex I is amended in accordance with Annex I to this Regulation;
- (4) Annex II is amended in accordance with Annex II to this Regulation;
- (5) Annex III is amended in accordance with Annex III to this Regulation;
- (6) Annex IV is amended in accordance with Annex IV to this Regulation;
- (7) Annex V is amended in accordance with Annex V to this Regulation;
- (8) Annex VI is amended in accordance with Annex VI to this Regulation;
- (9) Annex VII is amended in accordance with Annex VII to this Regulation.

#### *Article 2*

1. By way of derogation from the second paragraph of Article 3, substances and mixtures may, before 1 December 2014 and 1 June 2015 respectively, be classified, labelled and packaged in accordance with Regulation (EC) No 1272/2008 as amended by this Regulation.

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<sup>2</sup> OJ L 396, 30.12.2006, p. 1.

2. By way of derogation from the second paragraph of Article 3, substances classified, labelled and packaged in accordance with Regulation (EC) No 1272/2008 and placed on the market before 1 December 2014, shall not be required to be relabelled and repackaged in accordance with this Regulation until 1 December 2016.

3. By way of derogation from the second paragraph of Article 3, mixtures classified, labelled and packaged in accordance with Directive 1999/45/EC or Regulation (EC) No 1272/2008 and placed on the market before 1 June 2015, shall not be required to be relabelled and repackaged in accordance with this Regulation until 1 June 2017.

### *Article 3*

This Regulation shall enter into force on the twentieth day following that of its publication in the *Official Journal of the European Union*.

It shall apply in respect of substances from 1 December 2014 and in respect of mixtures from 1 June 2015.

This Regulation shall be binding in its entirety and directly applicable in all Member States.

Done at Brussels,

*For the Commission*  
*The President*  
*José Manuel BARROSO*

## ANNEX I

Annex I to Regulation (EC) No 1272/2008 is amended as follows:

A. Part 1 is amended as follows:

(1) The following section 1.3.6 is inserted:

“1.3.6. *Substances or mixtures classified as corrosive to metals but not corrosive to skin and / or eyes*

Substances or mixtures classified as corrosive to metals but not corrosive to skin and / or eyes which are in the finished state as packaged for consumer use do not require on the label the hazard pictogram linked to "corrosive to metals".”;

(2) The following section 1.5.2.4 is inserted:

“1.5.2.4. *Labelling of inner packaging where the contents do not exceed 10ml*

1.5.2.4.1. The label elements required by Article 17 may be omitted from the inner packaging where:

- (a) the contents of the inner packaging do not exceed 10ml;
- (b) the substance or mixture is placed on the market for supply to a distributor or downstream user for scientific research and development or quality control analysis; and
- (c) the inner packaging is contained within outer packaging that meets the requirements of Article 17.

1.5.2.4.2. Notwithstanding sections 1.5.1.2 and 1.5.2.4.1, the label on the inner packaging shall contain the product identifier and, where appropriate, the hazard pictograms ‘GHS01’, ‘GHS05’, ‘GHS06’ and/or ‘GHS08’. Where more than two pictograms are assigned, ‘GHS06’ and ‘GHS08’ may take precedence over ‘GHS01’ and ‘GHS05’.

1.5.2.5. Section 1.5.2.4 shall not apply to substances or mixtures within the scope of Directives 91/414/EEC or 98/8/EC.”.

B. Part 2 is amended as follows:

(1) The second sentence in section 2.1.2.1. is replaced by the following:

“The test methods are described in Part I of the UN RTDG, Manual of Tests and Criteria.”;

(2) In point (f) of section 2.1.2.2, the word “detonating” is deleted;

(3) In section 2.1.2.3 and in the column entitled "Criteria" of Table 2.1.1 the words “UN Recommendations on the Transport of Dangerous Goods” are replaced by “UN RTDG”;

(4) In section 2.1.3, the column entitled “Unstable Explosive” of Table 2.1.2, the precautionary statement ‘P281’ is replaced by ‘P280’;

(5) In the first paragraph of section 2.1.4.1, the words “UN Recommendations on the Transport of Dangerous Goods” are replaced by “UN RTDG”;

(6) In the first paragraph and in the Note of section 2.1.4.2, the words “UN Recommendations on the Transport of Dangerous Goods” are replaced by “UN RTDG”;

(7) In point (a) of section 2.1.4.3, the words “UN Recommendations on the Transport of Dangerous Goods” are replaced by “UN RTDG”;

(8) Sections 2.2 to 2.3.4.1 are replaced by the following:

## “2.2. Flammable gases (including chemically unstable gases)

### 2.2.1. Definitions

2.2.1.1. Flammable gas means a gas or gas mixture having a flammable range with air at 20°C and a standard pressure of 101,3 kPa.

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

### 2.2.2. Classification criteria

2.2.2.1. A flammable gas shall be classified in this class in accordance with Table 2.2.1:

Table 2.2.1  
Criteria for flammable gases

Category	Criteria
1	Gases, which at 20°C and a standard pressure of 101,3 kPa: (a) are ignitable when in a mixture of 13 % or less by volume in air; or (b) have a flammable range with air of at least 12 percentage points regardless of the lower flammable limit.
2	Gases, other than those of Category 1, which, at 20°C and a standard pressure of 101,3 kPa, have a flammable range while mixed in air.

Note:

Aerosols shall not be classified as flammable gases; see section 2.3.

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


*Table 2.2.2*  
**Criteria for chemically unstable gases**

Category	Criteria
A	Flammable gases which are chemically unstable at 20°C and a standard pressure of 101,3 kPa
B	Flammable gases which are chemically unstable at a temperature greater than 20°C and/or a pressure greater than 101,3 kPa

### 2.2.3. Hazard Communication

Label elements shall be used for substances and mixtures meeting the criteria for classification in this hazard class in accordance with Table 2.2.3.

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

Classification	Flammable gas		Chemically unstable gas	
	Category 1	Category 2	Category A	Category B
GHS Pictogram		No pictogram	No additional pictogram	No additional pictogram
Signal Word	Danger	Warning	No additional signal word	No additional signal word
Hazard Statement	H220: Extremely flammable gas	H221: Flammable gas	H230: May react explosively even in the absence of air	H231: May react explosively even in the absence of air at elevated pressure and/or temperature
Precautionary Statement Prevention	P210	P210	P202	P202
Precautionary Statement Response	P377 P381	P377 P381		
Precautionary Statement Storage	P403	P403		
Precautionary Statement Disposal				

The classification procedure is set out in the following decision logic (see Figures 2.2.1 to 2.2.2).

Figure 2.2.1  
Flammable gases

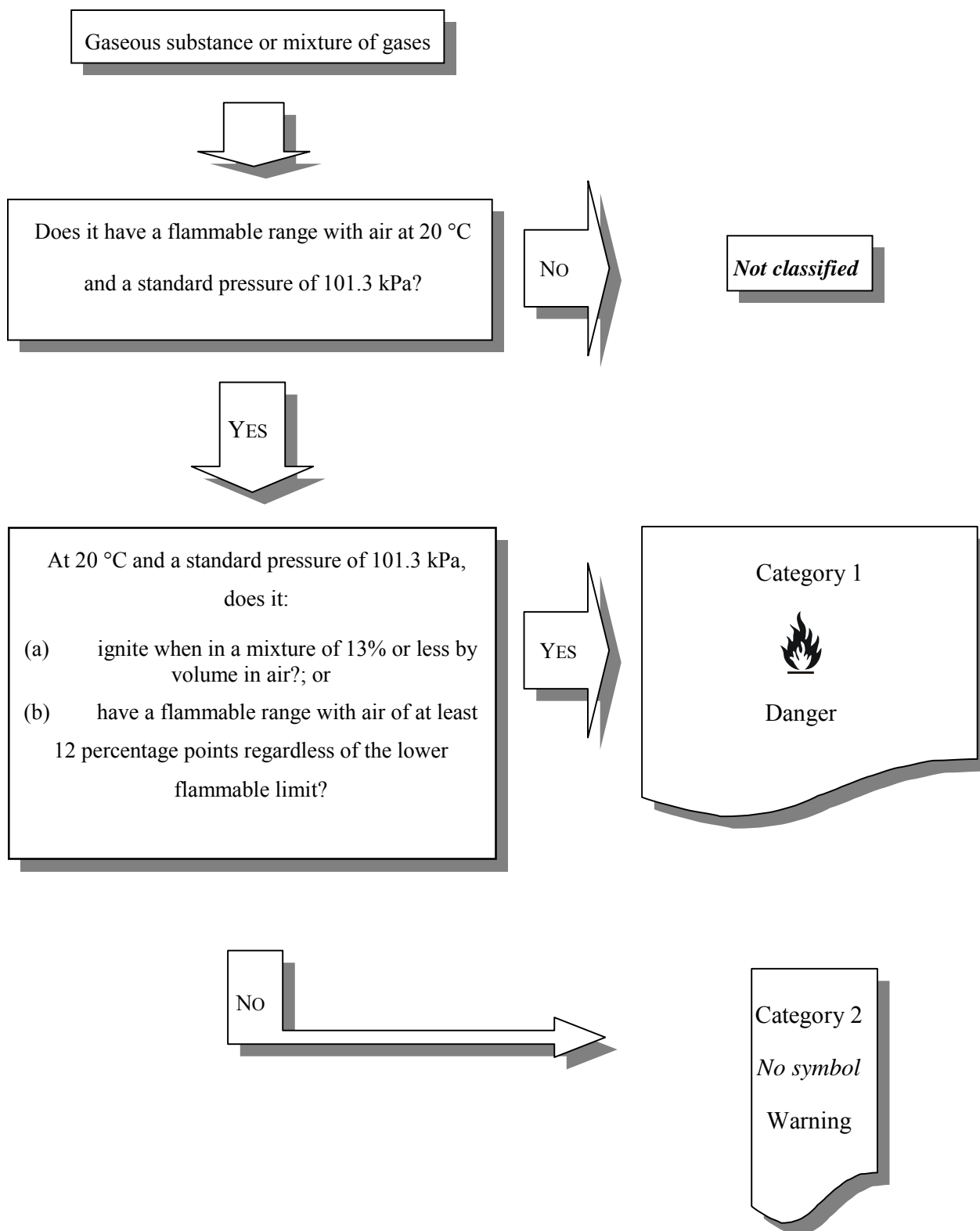
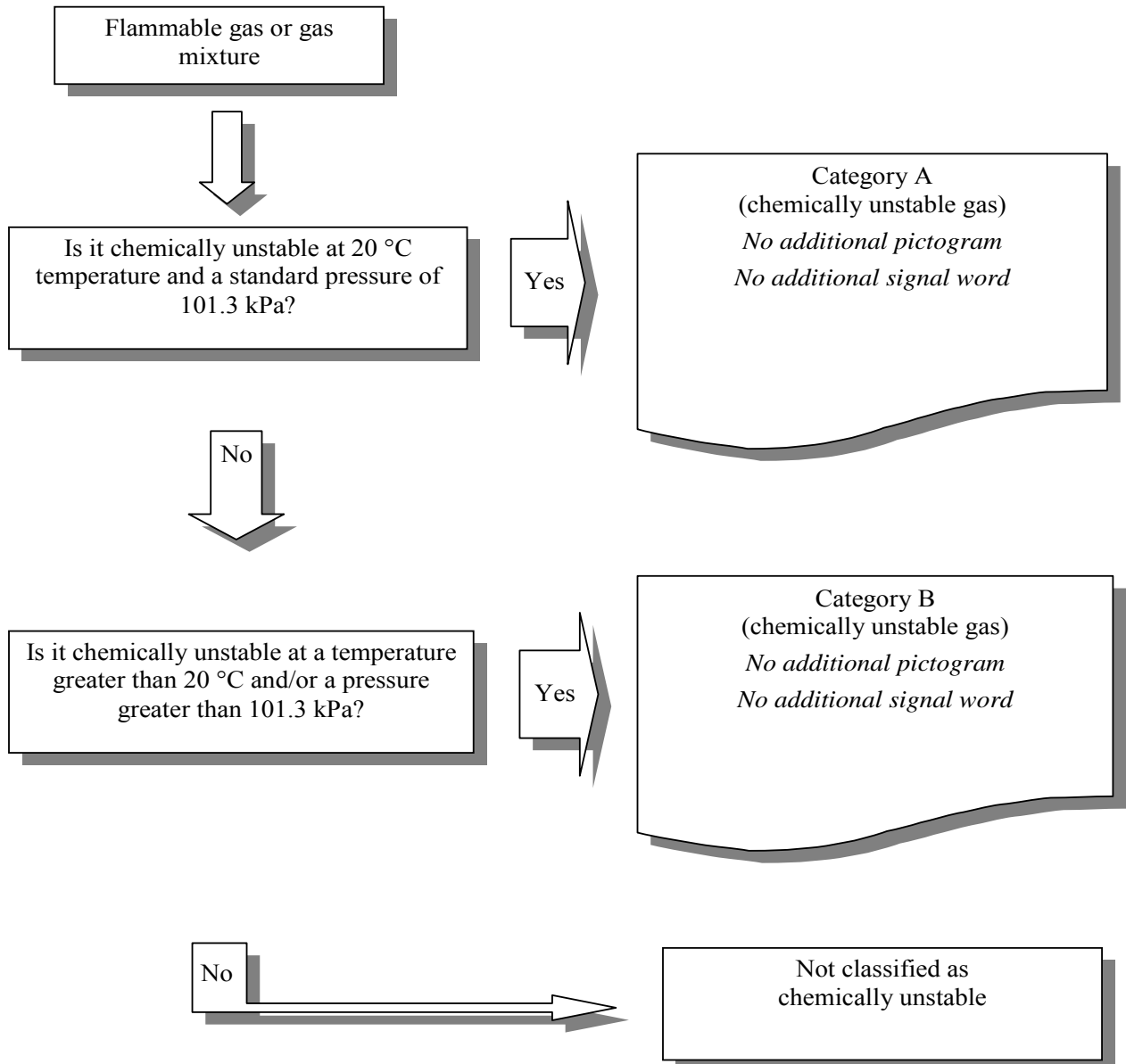




Figure 2.2.2  
Chemically unstable gases



## 2.2.4. *Additional Classification Considerations*

2.2.4.1. Flammability shall be determined by tests or, for mixtures where there are sufficient data available, by calculation in accordance with the methods adopted by ISO (see ISO 10156 as amended, Gases and gas mixtures – Determination of fire potential and oxidising ability for the selection of cylinder valve outlet). Where insufficient data are available to use these methods, test method EN 1839 as amended (Determination of explosion limits of gases and vapours) may be used.

2.2.4.2. Chemical instability shall be determined in accordance with the method described in Part III of the UN RTDG, Manual of Tests and Criteria. If the calculations in accordance with ISO 10156 as amended show that a gas mixture is not flammable it is not necessary to carry out the tests for determining chemical instability for classification purposes.

## 2.3. **Aerosols**

### 2.3.1. *Definitions*

Aerosols, this means aerosol dispensers, are any non-refillable receptacles made of metal, glass or plastics and containing a gas compressed, liquefied or dissolved under pressure, with or without a liquid, paste or powder, and fitted with a release device allowing the contents to be ejected as solid or liquid particles in suspension in a gas, as a foam, paste or powder or in a liquid state or in a gaseous state.

### 2.3.2. *Classification criteria*

2.3.2.1. Aerosols shall be considered for classification as flammable in accordance with section 2.3.2.2 if they contain any component which is classified as flammable according to the following criteria set out in this Part:

- Liquids with a flash point  $\leq 93^{\circ}\text{C}$ , which includes Flammable Liquids according to section 2.6;
- Flammable gases (see section 2.2);
- Flammable solids (see section 2.7).

#### *Note 1*

Flammable components do not cover pyrophoric, self-heating or water-reactive substances and mixtures because such components are never used as aerosol contents.

#### *Note 2*

Aerosols do not fall additionally within the scope of sections 2.2 (flammable gases), 2.5 (gases under pressure), 2.6 (flammable liquids) and 2.7 (flammable solids). Depending on their contents, aerosols may however fall within the scope of other hazard classes, including their labelling elements.

2.3.2.2. An aerosol shall be classified in one of the three categories for this Class on the basis of its components, of its chemical heat of combustion and, if applicable, of the results of

the foam test (for foam aerosols) and of the ignition distance test and enclosed space test (for spray aerosols) in accordance with Figures 2.3.1(a) to 2.3.1(c) of this Annex and sub-sections 31.4, 31.5 and 31.6 of Part III of the UN RTDG, Manual of Tests and Criteria,. Aerosols which do not meet the criteria for inclusion in Category 1 or Category 2 shall be classified in Category 3.

Note

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

Figure 2.3.1(a)  
Aerosols

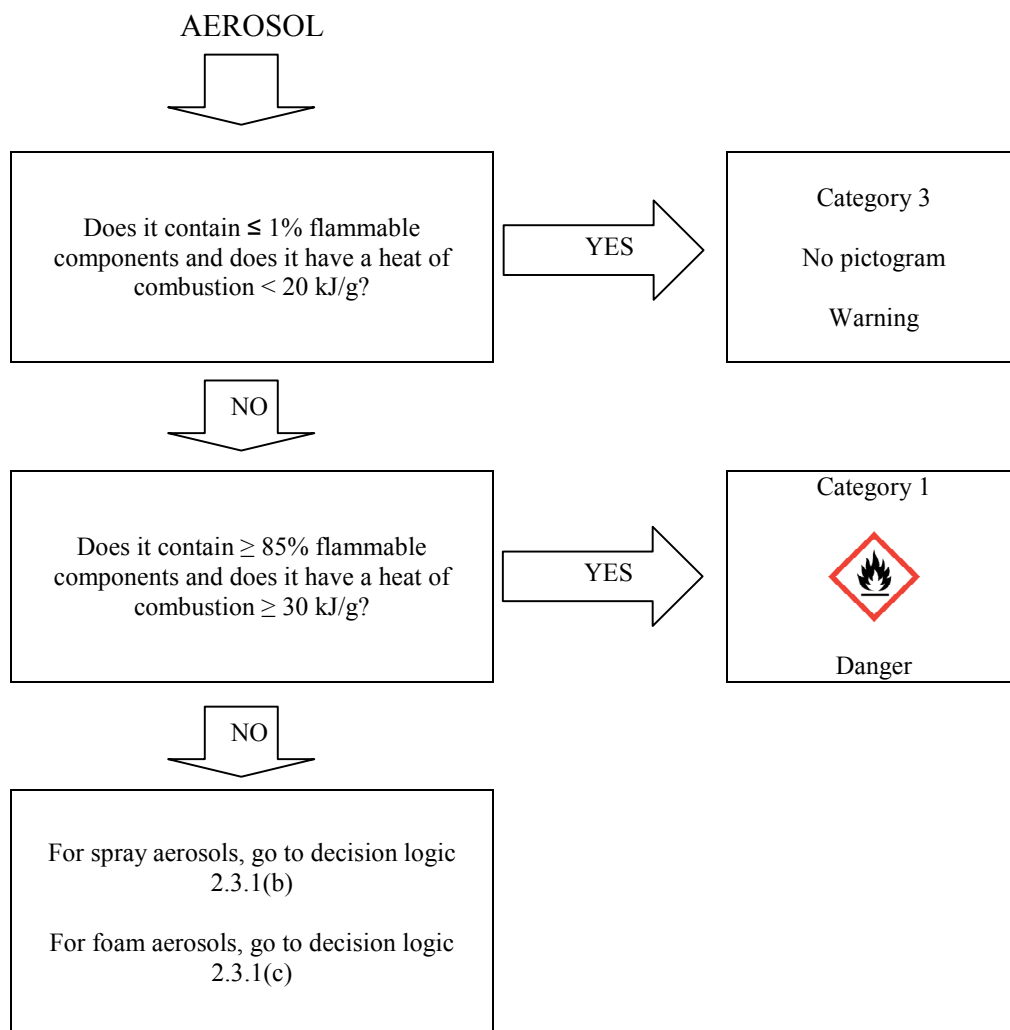


Figure 2.3.1(b)  
Spray aerosols

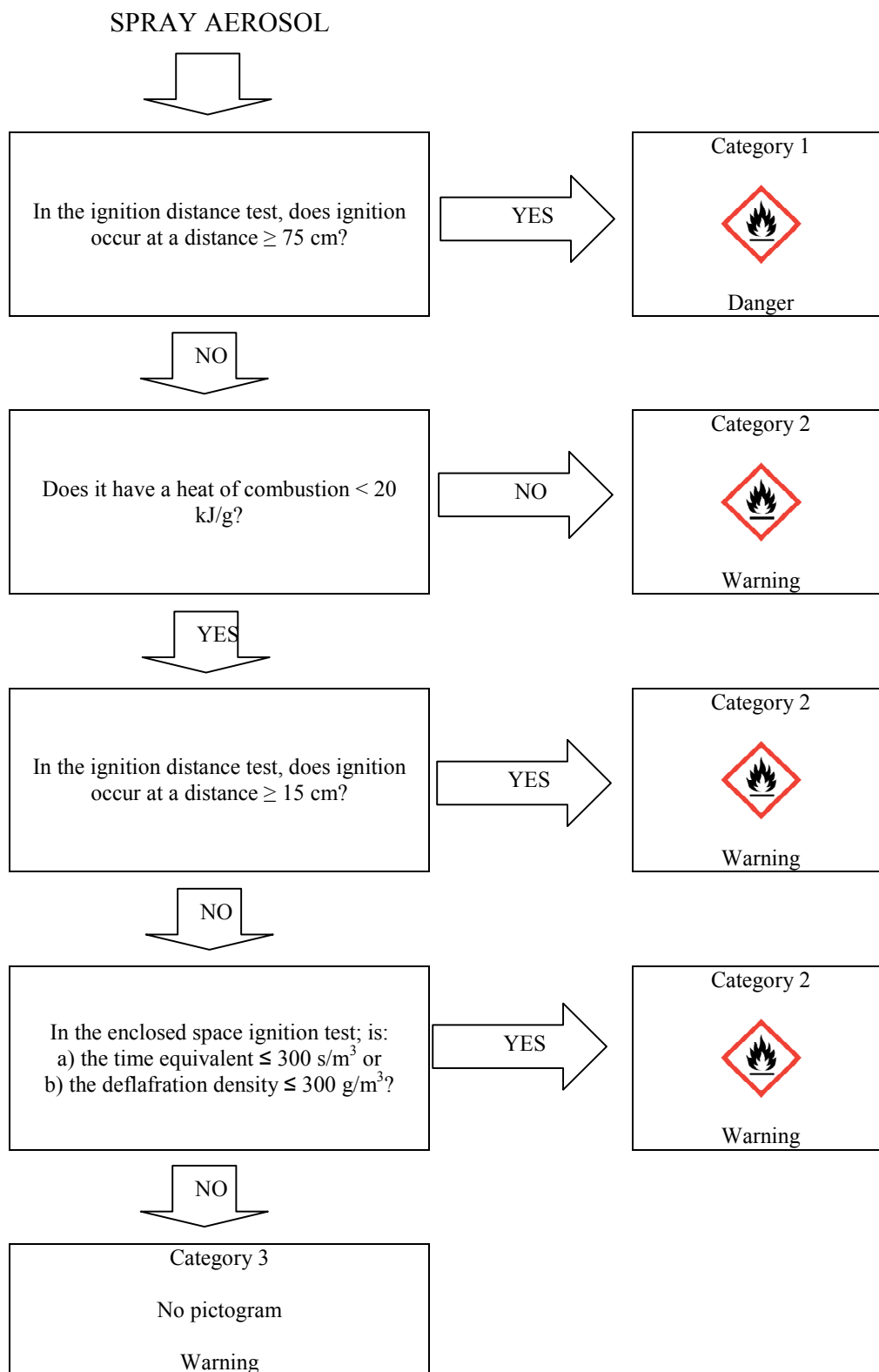
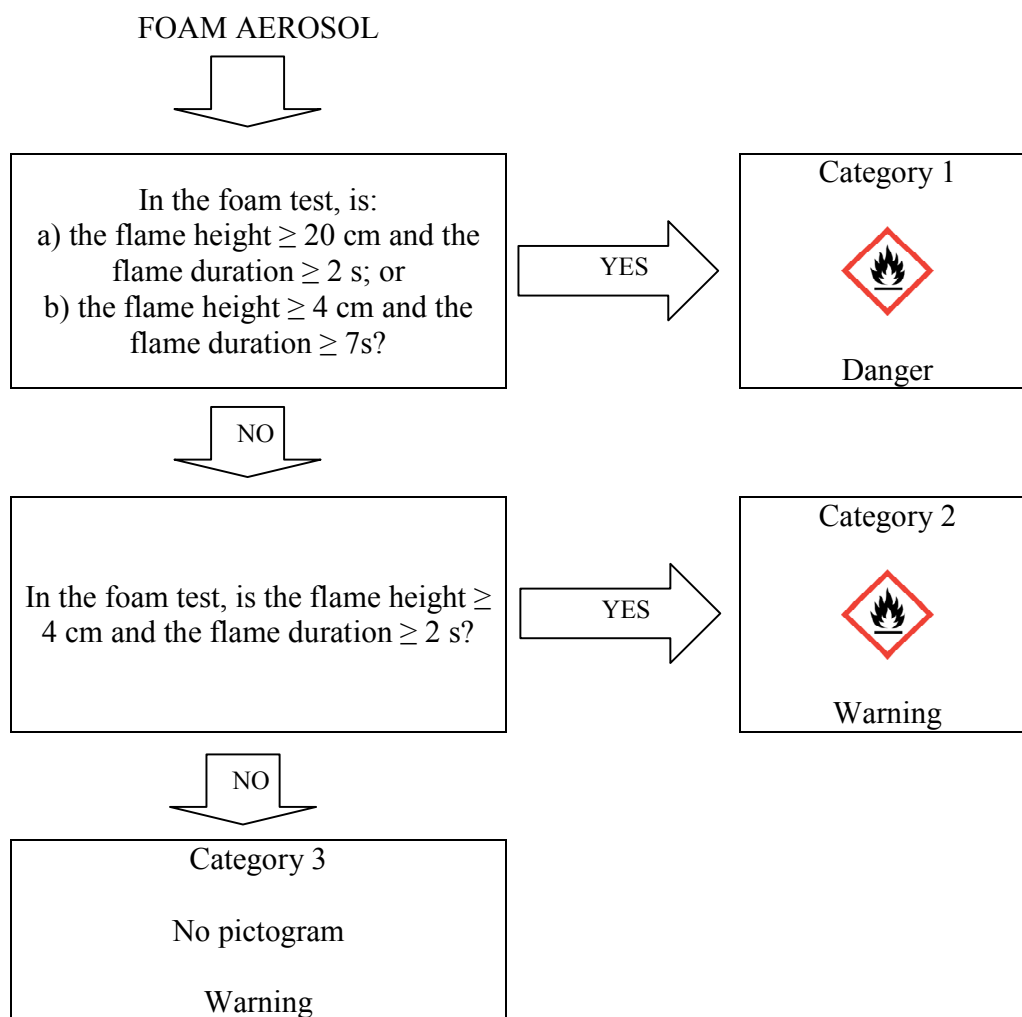




Figure 2.3.1(c)  
Foam aerosols



### 2.3.3. Hazard Communication

Label elements shall be used for substances or mixtures meeting the criteria for classification in this hazard class in accordance with Table 2.3.2.

Table 2.3.2  
Label elements for flammable and non-flammable aerosols

Classification	Category 1	Category 2	Category 3
GHS Pictograms			No pictogram
Signal Word	Danger	Warning	Warning
Hazard Statement	H222: Extremely flammable aerosol H229: Pressurised container: May burst if heated	H223: Flammable aerosol H229: Pressurised container: May burst if heated	H229: Pressurised container: May burst if heated
Precautionary Statement Prevention	P210 P211 P251	P210 P211 P251	P210 P251
Precautionary Statement Response			
Precautionary Statement Storage	P410 + P412	P410 + P412	P410 + P412
Precautionary Statement Disposal			

### 2.3.4. Additional Classification Considerations

2.3.4.1. The chemical heat of combustion ( $\Delta H_c$ ), in kilojoules per gram (kJ/g), is the product of the theoretical heat of combustion ( $\Delta H_{\text{comb}}$ ), and a combustion efficiency, usually less than 1,0 (a typical combustion efficiency is 0,95 or 95 %).

For a composite aerosol formulation, the chemical heat of combustion is the summation of the weighted heats of combustion for the individual components, as follows:

$$\Delta H_{c(\text{product})} = \sum_i^n [w_i \% \times \Delta H_{c(i)}]$$

where:

$\Delta H_c$  = chemical heat of combustion (kJ/g);

$w_i$  % = mass fraction of component i in the product;

$\Delta H_{c(i)}$  = specific heat of combustion (kJ/g) of component i in the product.

The chemical heats of combustion can be found in the literature, calculated or determined by tests (see ASTM D 240 as amended – Standard Test Methods for Heat of Combustion of Liquid Hydrocarbon Fuels by Bomb Calorimeter, EN/ISO 13943 as amended, 86.1 to 86.3 – Fire safety – Vocabulary, and NFPA 30B as amended – Code for the Manufacture and Storage of Aerosol Products).”;

(9) In section 2.4.2.1, the Note under Table 2.4.1 is replaced by the following:

“Note:

‘Gases which cause or contribute to the combustion of other material more than air does’ means pure gases or gas mixtures with an oxidising power greater than 23,5 % as determined by a method specified in ISO 10156 as amended.”;

(10) Section 2.4.4 is replaced by the following:

“2.4.4. ***Additional Classification Considerations***

To classify an oxidising gas, tests or calculation methods as described in ISO 10156 as amended, "Gases and gas mixtures – Determination of fire potential and oxidising ability for the selection of cylinder valve outlet" shall be performed.”;

(11) In section 2.5.1.1, the first paragraph is replaced by the following:

“Gases under pressure are gases which are contained in a receptacle at a pressure of 200 kPa (gauge) or more at 20°C, or which are liquefied or liquefied and refrigerated.”;

(12) Section 2.5.2. is replaced by the following:

“2.5.2. ***Classification criteria***

2.5.2.1. Gases under pressure shall be classified, according to their physical state when packaged, in one of four groups in accordance with Table 2.5.1:

*Table 2.5.1*  
**Criteria for gases under pressure**

Group	Criteria
Compressed gas	A gas which when packaged under pressure is entirely gaseous at -50°C; including all gases with a critical temperature $\leq$ -50°C.
Liquefied gas	A gas which, when packaged under pressure, is partially liquid at temperatures above -50°C. A distinction is made between: (i) high pressure liquefied gas: a gas with a critical temperature between -50°C and +65°C; and (ii) low pressure liquefied gas: a gas with a critical temperature above +65°C.
Refrigerated liquefied gas	A gas which when packaged is made partially liquid because of its low temperature.
Dissolved gas	A gas which when packaged under pressure is dissolved in a liquid phase solvent.



*Note:*

Aerosols shall not be classified as gases under pressure. See section 2.3.”;

(13) In section 2.5.4, the second paragraph is replaced by the following

"Data can be found in the literature, calculated or determined by testing. Most pure gases are already classified in the UN RTDG, Model Regulations.”;

(14) In sections 2.7.2.1 and 2.7.2.3, the words “UN Recommendations on the Transport of Dangerous Goods” are replaced by “UN RTDG”;

(15) The footnote relating to point (e) of section 2.8.2.1 is replaced by the following:

"(1) See UN RTDG, Manual of Tests and Criteria, sub-sections 28.1, 28.2, 28.3 and Table 28.3.”;

(16) In section 2.8.2.4, the words “UN Recommendations on the Transport of Dangerous Goods” are replaced by “UN RTDG”;

(17) In section 2.8.4.1, the words “UN Recommendations on the Transport of Dangerous Goods” are replaced by “UN RTDG”;

(18) In points (a) and (b) of 2.8.4.2, the words “UN Recommendations on the Transport of Dangerous Goods” are replaced by “UN RTDG”;

(19) In the introductory sentence of sections 2.9.2.1, 2.10.2.1, 2.11.2.1, 2.11.2.2, 12.12.2.1 and 2.13.2.1, the words “UN Recommendations on the Transport of Dangerous Goods” are replaced by “UN RTDG”;

(20) In section 2.13.4.4, the words “UN Recommendations on the Transport of Dangerous Goods” are replaced by “UN RTDG”;

(21) In the introductory sentence of section 2.14.2.1, the words “UN Recommendations on the Transport of Dangerous Goods” are replaced by “UN RTDG”;

(22) The footnote relating to point (g) of section 2.15.2.2 is replaced by the following:

"(1) See UN RTG, Manual of Tests and Criteria, sub-sections 28.1, 28.2, 28.3 and Table 28.3.”;

(23) Section 2.15.2.3 is amended as follows:

(i) the footnote relating to point (b) is replaced by the following:"(1) As determined by test series E as prescribed in UN RTG, Manual of Tests and Criteria, Part II.”;

(ii) in the second paragraph, the words “UN Recommendation on the Transport of Dangerous Goods” are replaced by “UN RTDG”;

(24) In section 2.15.4.1, the words “UN Recommendations on the Transport of Dangerous Goods” are replaced by “UN RTDG”;

(25) In the introductory sentence of section 2.16.2.1, the words “UN Recommendations on the Transport of Dangerous Goods” are replaced by “UN RTDG”;

(26) In section 2.16.3, the following Note is inserted under Table 2.16.2:

“*Note:*

Where a substance or mixture is classified as corrosive to metals but not corrosive to skin and/or eyes, the labelling provisions set out in section 1.3.6 shall be used.”;

(27) In the introductory sentence of section 2.16.4.1, the words “UN Recommendations on the Transport of Dangerous Goods” are replaced by “UN RTDG”.

C. Part 3 is amended as follows:

(1) In section 3.1.2.1, Note (c) under Table 3.1.1 is replaced by the following:

“(c) The ranges of the acute toxicity estimates (ATE) for inhalation toxicity used in the Table are based on four-hour testing exposures. Conversion of existing inhalation toxicity data which have been generated using a one-hour exposure can be carried out by dividing by a factor of 2 for gases and vapours and 4 for dusts and mists.”;

(2) Sections 3.1.3.6.2.2 and 3.1.3.6.2.3 are replaced by the following:

“3.1.3.6.2.2. In the event that a component without any useable information for classification is used in a mixture at a concentration of 1 % or greater, it is concluded that the mixture cannot be attributed a definitive acute toxicity estimate. In this situation the mixture shall be classified based on the known components only, with the additional statement on the label and in the SDS that “x percent of the mixture consists of component(s) of unknown acute toxicity”.





3.1.3.6.2.3. If the total concentration of the relevant ingredient(s) with unknown acute toxicity is ≤ 10 % then the formula presented in section 3.1.3.6.1 shall be used. If the total concentration of the relevant ingredient(s) with unknown toxicity is > 10 %, the formula presented in section 3.1.3.6.1 shall be corrected to adjust for the percentage of the unknown ingredient(s) as follows:

$$\frac{100 - (\sum C_{\text{unknown if } > 10\%})}{ATE_{\text{mix}}} = \sum_n \frac{C_i}{ATE_i} \text{ ,}$$

(3) In section 3.1.4.1, Table 3.1.3 is replaced by the following:

“*Table 3.1.3*  
**Acute toxicity label elements**”

Classification	Category 1	Category 2	Category 3	Category 4
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GHS Pictograms				
Signal Word	Danger	Danger	Danger	Warning
Hazard Statement: - Oral	H300: Fatal if swallowed	H300: Fatal if swallowed	H301: Toxic if swallowed	H302: Harmful if swallowed
- Dermal	H310:Fatal in contact with skin	H310:Fatal in contact with skin	H311: Toxic in contact with skin	H312: Harmful in contact with skin
- Inhalation (see Note 1)	H330:Fatal if inhaled	H330: Fatal if inhaled	H331: Toxic if inhaled	H332: Harmful if inhaled
Precautionary Statement Prevention (oral)	P264 P270	P264 P270	P264 P270	P264 P270
Precautionary Statement Response (oral)	P301 + P310 P321 P330	P301 + P310 P321 P330	P301 + P310 P321 P330	P301 + P312 P330
Precautionary Statement Storage (oral)	P405	P405	P405	
Precautionary Statement Disposal (oral)	P501	P501	P501	P501
Precautionary Statement Prevention (dermal)	P262 P264 P270 P280	P262 P264 P270 P280	P280	P280
Precautionary Statement Response (dermal)	P302 + P352 P310 P321 P361 + P364	P302 + P352 P310 P321 P361 + P364	P302 + P352 P312 P321 P361 + P364	P302 + P352 P312 P321 P362 + P364
Precautionary Statement Storage (dermal)	P405	P405	P405	

Precautionary Statement Disposal (dermal)	P501	P501	P501	P501
Precautionary Statement Prevention (inhalation)	P260 P271 P284	P260 P271 P284	P261 P271	P261 P271
Precautionary Statement Response (inhalation)	P304 + P340 P310 P320	P304 + P340 P310 P320	P304 + P340 P311 P321	P304 + P340 P312
Precautionary Statement Storage (inhalation)	P403 + P233 P405	P403 + P233 P405	P403 + P233 P405	
Precautionary Statement Disposal (inhalation)	P501	P501	P501”	

(4) The following section 3.1.4.2 is inserted:

“3.1.4.2 The acute toxicity hazard statements differentiate the hazard based on the route of exposure. Communication of acute toxicity classification should also reflect this differentiation. If a substance or mixture is classified for more than one route of exposure then all relevant classifications should be communicated on the safety data sheet as specified in Annex II to Regulation (EC) No 1907/2006 and the relevant hazard communication elements included on the label as prescribed in section 3.1.3.2. If the statement “x% of the mixture consists of ingredient(s) of unknown acute toxicity” is communicated, as prescribed in section 3.1.3.6.2.2, then, in the information provided in the safety data sheet, it can also be differentiated based on the route of exposure. For example, “x% of the mixture consists of ingredient(s) of unknown acute oral toxicity” and “x% of the mixture consists of ingredient(s) of unknown acute dermal toxicity.”;



(5) Section 3.2.3.3.5 is replaced by the following:

“3.2.3.3.5. On occasion, reliable data may show that the skin corrosion/irritation hazard of an ingredient will not be evident when present at a level at or above the generic concentration limits mentioned in Tables 3.2.3 and 3.2.4 in section 3.2.3.3.6. In these cases the mixture shall be classified according to that data (see also Articles 10 and 11). On other occasions, when it is expected that the skin corrosion/irritation hazard of an ingredient is not evident when present at a level at or above the generic concentration limits mentioned in Tables 3.2.3 and 3.2.4, testing of the mixture shall be considered. In those cases the tiered weight of evidence strategy shall be applied, as set out in section 3.2.2.5.”;

(6) In section 3.2.4, Table 3.2.5 is replaced by the following:

*“Table 3.2.5*  
**Label elements for skin corrosion/irritation**

Classification	Category 1 A/1 B/1 C	Category 2
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GHS Pictograms		
Signal Word	Danger	Warning
Hazard Statement	H314: Causes severe skin burns and eye damage	H315: Causes skin irritation
Precautionary Statement Prevention	P260 P264 P280	P264 P280
Precautionary Statement Response	P301 + P330 + P331 P303 + P361 + P353 P363 P304 + P340 P310 P321 P305 + P351 + P338	P302 + P352 P321 P332 + P313 P362 + P364
Precautionary Statement Storage	P405	
Precautionary Statement Disposal	P501”	

(7) Section 3.3.3.3.5 is replaced by the following:

“3.3.3.3.5. On occasion, reliable data may show that the reversible/irreversible eye effects of an ingredient will not be evident when present at a level at or above the generic concentration limits mentioned in Tables 3.3.3 and 3.3.4 in section 3.3.3.3.6. In these cases the mixture shall be classified according to those data. On other occasions, when it is expected that the skin corrosion/irritation hazards or the reversible/irreversible eye effects of an ingredient will not be evident when present at a level at or above the generic concentration limits mentioned in Tables 3.3.3 and 3.3.4, testing of the mixture shall be considered. In those cases, the tiered weight of evidence strategy shall be applied.”;

(8) In section 3.4.3.3.2, the Note under Table 3.4.6 is replaced by the following:



“Note:

This concentration limit for elicitation is used for the application of the special labelling requirements of section 2.8 of Annex II to protect already sensitised individuals. A SDS is required for the mixture containing a component at or above this concentration. For sensitising substances with specific concentration limit lower than 0,1%, the concentration limit for elicitation should be set at one tenth of the specific concentration limit.”;

(9) In section 3.4.4, Table 3.4.7 is replaced by the following:

“Table 3.4.7  
Respiratory or skin sensitisation label elements

Classification	Respiratory sensitisation	Skin sensitisation

	Category 1 and sub-categories 1A and 1B	Category 1 and sub-categories 1A and 1B
GHS Pictograms		
Signal Word	Danger	Warning
Hazard Statement	H334: May cause allergy or asthma symptoms or breathing difficulties if inhaled	H317: May cause an allergic skin reaction
Precautionary Statement Prevention	P261 P284	P261 P272 P280
Precautionary Statement Response	P304 + P340 P342+ P311	P302 + P352 P333 + P313 P321 P362 + P364
Precautionary Statement Storage		
Precautionary Statement Disposal	P501	P501”



(10) In section 3.5.3.1.1, Table 3.5.2 is replaced by the following:

*“Table 3.5.2*  
**Generic concentration limits of ingredients of a mixture classified as germ cell mutagens that trigger classification of the mixture.**

Ingredient classified as:	Concentration limits triggering classification of a mixture as:		
	Category 1 mutagen		Category 2 mutagen
	Category 1A	Category 1B	
Category 1A mutagen	≥ 0,1 %	–	–
Category 1B mutagen	–	≥ 0,1 %	–
Category 2 mutagen	–	–	≥ 1,0 %”

(11) In section 3.5.4.1, Table 3.5.3 is replaced by the following:

*“Table 3.5.3*  
**Label elements of germ cell mutagenicity**

Classification	Category 1 (Category 1A, 1B)	Category 2
GHS Pictograms		
Signal Word	Danger	Warning
Hazard Statement	H340: May cause genetic defects (state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard)	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 Statement Prevention	P201 P202 P280	P201 P202 P280
Precautionary Statement Response	P308 + P313	P308 + P313
Precautionary Statement Storage	P405	P405
Precautionary Statement Disposal	P501	P501”



(12) In section 3.6.3.1.1, Table 3.6.2 is replaced by the following:

*“Table 3.6.2*  
**Generic concentration limits of ingredients of a mixture classified as carcinogen that trigger classification of the mixture**

Ingredient classified as:	Generic concentration limits triggering classification of a mixture as:		
	Category 1 carcinogen		Category 2 carcinogen
	Category 1A	Category 1B	
Category 1A carcinogen	≥ 0,1 %	-	-
Category 1B carcinogen	-	≥ 0,1 %	-
Category 2 carcinogen	-	-	≥ 1,0 % [Note 1]”

(13) In section 3.6.4.1, Table 3.6.3 is replaced by the following:

*“Table 3.6.3  
Label elements for carcinogenicity*

Classification	Category 1 (Category 1A, 1B)	Category 2
GHS Pictograms		
Signal Word	Danger	Warning
Hazard Statement	H350: May cause cancer (state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard)	H351: Suspected of causing cancer (state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard)
Precautionary Statement Prevention	P201 P202 P280	P201 P202 P280
Precautionary Statement Response	P308 + P313	P308 + P313
Precautionary Statement Storage	P405	P405
Precautionary Statement Disposal	P501	P501”

(14) In section 3.7.3.1.2, Table 3.7.2 and the Notes are replaced by the following:

*“Table 3.7.2*

**Generic concentration limits of ingredients of a mixture classified as reproduction toxicants or for effects on or via lactation that trigger classification of the mixture**

Ingredient classified as:	Generic concentration limits triggering classification of a mixture as:			
	Category 1 reproductive toxicant		Category 2 reproductive toxicant	Additional category for effects on or via lactation
	Category 1A	Category 1B		
Category 1A reproductive toxicant	≥ 0,3 % [Note 1]			



Category 1B reproductive toxicant		$\geq 0,3$ % [Note 1]		
Category 2 reproductive toxicant			$\geq 3,0$ % [Note 1]	
Additional category for effects on or via lactation				$\geq 0,3$ % [Note 1]

*Note*



The concentration limits in Table 3.7.2 apply to solids and liquids (w/w units) as well as gases (v/v units).

*Note 1*

If a Category 1 or Category 2 reproductive toxicant or a substance classified for effects on or via lactation is present in the mixture as an ingredient at a concentration at or above 0,1 %, a SDS shall be available for the mixture upon request.”;

(15) In section 3.7.4.1, Table 3.7.3 is replaced by the following:

“Table 3.7.3  
Label elements for reproductive toxicity




Classification	Category 1 (Category 1A, 1B)	Category 2	Additional category for effects on or via lactation
GHS Pictograms			No pictogram
Signal Word	Danger	Warning	No signal word
Hazard Statement	H360: May damage fertility or the unborn child (state specific effect if known)(state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard)	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)	H362: May cause harm to breast-fed children.

Precautionary Statement Prevention	P201 P202 P280	P201 P202 P280	P201 P260 P263 P264 P270
Precautionary Statement Response	P308 + P313	P308 + P313	P308 + P313
Precautionary Statement Storage	P405	P405	
Precautionary Statement Disposal	P501	P501''	

(16) In section 3.8.4.1, Table 3.8.4 is replaced by the following:

“Table 3.8.4

**Label elements for specific target organ toxicity after single exposure**

Classification	Category 1	Category 2	Category 3
GHS Pictograms			
Signal Word	Danger	Warning	Warning
Hazard Statement	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)	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)	H335: May cause respiratory irritation; or H336: May cause drowsiness or dizziness
Precautionary Statement Prevention	P260 P264 P270	P260 P264 P270	P261 P271
Precautionary Statement Response	P308 + P311 P321	P308 + P311	P304 + P340 P312

Precautionary Statement Storage	P405	P405	P403 + P233 P405
Precautionary Statement Disposal	P501	P501	P501”

(17) Section 3.9.2.9.9 is replaced by the following:

“3.9.2.9.9. Thus it is feasible that a specific profile of toxicity occurs in repeat-dose animal studies at a dose/concentration below the guidance value, such as < 100 mg/kg bw/day by the oral route, however the nature of the effect, such as nephrotoxicity seen only in male rats of a particular strain known to be susceptible to this effect may result in the decision not to classify. Conversely, a specific profile of toxicity may be seen in animal studies occurring at or above a guidance value, such as  $\geq 100$  mg/kg bw/day by the oral route, and in addition there is supplementary information from other sources, such as other long-term administration studies, or human case experience, which supports a conclusion that, in view of the weight of evidence, classification is the prudent action to take.”;

(18) Section 4.1.3.4.3 is replaced by the following:

“4.1.3.4.3. If a mixture is formed by diluting another tested mixture or substance with water or other totally non-toxic material, the toxicity of the mixture can be calculated from the original mixture or substance.”;

(19) In section 4.1.3.5.5.1, Table 4.1.3 is replaced by the following:

*“Table 4.1.3*  
**Multiplying factors for highly toxic components of mixtures**

Acute toxicity L(E)C <sub>50</sub> value (mg/l)	M factor	Chronic toxicity NOEC value (mg/l)	M factor	
			NRD <sup>a</sup> components	RD <sup>b</sup> components
$0,1 < L(E)C_{50} \leq 1$	1	$0,01 < NOEC \leq 0,1$	1	-
$0,01 < L(E)C_{50} \leq 0,1$	10	$0,001 < NOEC \leq 0,01$	10	1
$0,001 < L(E)C_{50} \leq 0,01$	100	$0,0001 < NOEC \leq 0,001$	100	10
$0,0001 < L(E)C_{50} \leq 0,001$	1000	$0,00001 < NOEC \leq 0,0001$	1000	100
$0,00001 < L(E)C_{50} \leq 0,0001$	10000	$0,000001 < NOEC \leq 0,00001$	10000	1000
(continue in factor 10 intervals)		(continue in factor 10 intervals)		

(a) Non-rapidly degradable.

(b) Rapidly degradable.”.

## **ANNEX II**

Annex II to Regulation (EC) No 1272/2008 is amended as follows:

In Part 3, sections 3.2. to 3.2.2.2 are replaced by the following:

### **“3.2 Tactile Warnings**

#### **3.2.1. *Packaging to be fitted with a tactile warning***

3.2.1.1. Where substances or mixtures are supplied to the general public and classified for acute toxicity, skin corrosion, germ cell mutagenicity category 2, carcinogenicity category 2, reproductive toxicity category 2, respiratory sensitisation or STOT, categories 1 and 2, aspiration hazard, or flammable gases, liquids and solids in categories 1 and 2, the packaging of whatever capacity, shall be fitted with a tactile warning of danger.

3.2.1.2. Section 3.2.1.1 does not apply to transportable gas receptacles. Aerosols and containers fitted with a sealed spray attachment and containing substances or mixtures classified as presenting an aspiration hazard need not to be fitted with a tactile warning.

#### **3.2.2. *Provisions relating to tactile warning***

3.2.2.1. The technical specifications for tactile warning devices shall conform to EN ISO standard 11683 as amended "Packaging – Tactile warnings of danger – Requirements".”;

### **ANNEX III**

Annex III to Regulation (EC) No 1272/2008 is amended as follows:

(1) In Part 1, Table 1.1 is amended as follows:

(a) The first row of Code H222 is amended as follows:

“H222	Language	2.3 – Aerosols, Hazard Category 1”
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(b) Code H223 is replaced by the following:

“H223	Language	2.3 – Aerosols, Hazard Category 2
	BG	Запалим аерозол.
	ES	Aerosol inflamable.
	CS	Hořlavý aerosol.
	DA	Brandfarlig aerosol.
	DE	Entzündbares Aerosol.
	ET	Tulehtlik aerosool.
	EL	Εύφλεκτο αερόλυμα.
	EN	Flammable aerosol.
	FR	Aérosol inflammable.
	GA	Aerasól inadhainte.
	IT	Aerosol infiammabile.
	LV	Uzliesmojošs aerosols.
	LT	Degus aerosolis.
	HU	Tűzveszélyes aeroszol.
	MT	Aerosol li jaqbad.
	NL	Ontvlambare aerosol.

“H223	Language	2.3 – Aerosols, Hazard Category 2
	PL	Aerozol łatwopalny.
	PT	Aerossol inflamável.
	RO	Aerosol inflamabil.
	SK	Horľavý aerosól.
	SL	Vnetljiv aerosol.
	FI	Syttyvä aerosoli.
	SV	Brandfarlig aerosol.”

(c) The following hazard statements are inserted in the Table after Code H228:

“H229	Language	2.3 – Aerosols, Hazard Category 1, 2, 3
	BG	
	ES	Contiene gas a presión: Puede reventar si se calienta
	CS	
	DA	Beholder under tryk. Kan sprænges ved opvarmning.
	DE	Behälter steht unter Druck: Kann bei Erwärmung bersten
	ET	Mahuti on rõhu all: kuumenemisel võib lõhkeda
	EL	
	EN	Pressurised container: May burst if heated
	FR	Réceptacle sous pression : peut éclater sous l’effet de la chaleur
	GA	
	IT	
	LV	

“H229	Language	2.3 – Aerosols, Hazard Category 1, 2, 3
	LT	
	HU	
	MT	Kontenitur taħt pressjoni. Jista jinfuqa meta jissahħan.
	NL	Houder onder druk: kan open barsten bij verhitting
	PL	Pojemnik pod ciśnieniem: Ogrzanie grozi wybuchem
	PT	
	RO	Recipient sub presiune : Poate exploda daca este incalzit.
	SK	Nádoba je pod tlakom: Pri zahriatí sa môže roztrhnúť.
	SL	
	FI	Painesäiliö: Voi revetä kuumennettaessa
	SV	Tryckbehållare: Kan sprängas vid uppvärmning

H230	Language	2.2 – Flammable gases (including chemically unstable gases), Hazard Category A
	BG	
	ES	Puede explotar incluso en ausencia de aire
	CS	
	DA	Kan reagere eksplosivt selv i fravær af luft.
	DE	Kann auch in Abwesenheit von Luft explosionsartig reagieren
	ET	Võib reageerida plahvatuslikult isegi õhuga kokku puutumata
	EL	
	EN	May react explosively even in the absence of air

H230	Language	2.2 – Flammable gases (including chemically unstable gases), Hazard Category A
	FR	Peut exploser même en l'absence d'air
	GA	
	IT	
	LV	
	LT	
	HU	
	MT	Jista jisplodi anke fin-nuqqas ta' l-arja.
	NL	Kan explosief reageren zelfs in afwezigheid van lucht
	PL	Może reagować wybuchowo nawet bez dostępu powietrza
	PT	
	RO	Pericol de explozie, chiar si in absenta aerului.
	SK	Môže reagovať výbušne aj bez prítomnosti vzduchu.
	SL	
	FI	Voi reagoida räjähtäen jopa ilmassa tilassa
	SV	Kan reagera explosivt även i frånvaro av luft

H231	Language	2.2 – Flammable gases (including chemically unstable gases), Hazard Category B
	BG	
	ES	Puede explotar incluso en ausencia de aire, a presión y/o temperatura elevadas
	CS	



H231	Language	2.2 – Flammable gases (including chemically unstable gases), Hazard Category B
	DA	Kan reagere eksplosivt selv i fravær af luft ved forhøjet tryk og/eller temperatur.
	DE	Kann auch in Abwesenheit von Luft bei erhöhtem Druck und/oder erhöhter Temperatur explosionsartig reagieren
	ET	Võib reageerida plahvatuslikult isegi õhuga kokku puutumata kõrgenenud rõhul ja/või temperatuuril
	EL	
	EN	May react explosively even in the absence of air at elevated pressure and/or temperature
	FR	Peut exploser même en l'absence d'air à une pression et/ou température élevée(s)
	GA	
	IT	
	LV	
	LT	
	HU	
	MT	Jista jisplodi anke fin-nuqqas ta' l-arja fi pressjoni għolja u/jew f' temperatura għolja.
	NL	Kan explosief reageren zelfs in afwezigheid van lucht bij verhoogde druk en/of temperatuur
	PL	Może reagować wybuchowo nawet bez dostępu powietrza pod zwiększonym ciśnieniem i/lub temperaturą
	PT	
	RO	Pericol de explozie, chiar și în absența aerului la presiune și/sau temperatură ridicată.

H231	Language	2.2 – Flammable gases (including chemically unstable gases), Hazard Category B
	SK	Môže reagovať výbušne aj bez prítomnosti vzduchu pri zvýšenom tlaku a/alebo teplote.
	SL	
	FI	Voi reagoida räjähtäen jopa ilmattomassa tilassa kohonneessa paineessa ja/tai lämpötilassa
	SV	Kan reagera explosivt även i frånvaro av luft vid förhöjt tryck och/eller temperatur”

## ANNEX IV

Annex IV to Regulation (EC) No 1272/2008 is amended as follows:

(1) The introductory sentence is replaced by the following:

“In selecting the precautionary statements in accordance with Articles 22 and 28(3), suppliers may combine the Precautionary Statements in the table below, having regard to clarity and comprehensibility of the precautionary advice.

Where square brackets [...] appear around some text in a precautionary statement in column (2), this indicates that the text in square brackets is not appropriate in every case and should be used only in certain circumstances. In these cases, conditions for use explaining when the text should be used are given in column (5). For example, P284 states: “[In case of inadequate ventilation] wear respiratory protection.” This statement is given with the condition for use “*– text in square brackets may be used if additional information is provided with the chemical at the point of use that explains what type of ventilation would be adequate for safe use*”. The application of the condition for use shall be interpreted as follows: If additional information is provided with the chemical explaining what type of ventilation would be adequate for safe use, the text in square brackets may be used. In this case, the statement would read: “In case of inadequate ventilation wear respiratory protection.” However, if the chemical is supplied without such information, the text in square brackets shall not be used, and the precautionary statement shall read: “Wear respiratory protection”.

When a backslash or diagonal mark [/] appears in a precautionary statement text in column (2), it indicates that a choice has to be made between the phrases they separate in accordance with the indications provided in column (5).

When three full stops [...] appear in a precautionary statement text in column (2), details on the information to be provided are indicated in column (5).”;

(2) Part 1 is amended as follows:

(a) Table 6.2 is amended as follows:

(i) Code P202 is replaced by the following:

“P202	Do not handle until all safety precautions have been read and understood.	Explosives (section 2.1)	Unstable explosive	
		Germ cell mutagenicity (section 3.5)	1A, 1B, 2	
		Carcinogenicity (section 3.6)	1A, 1B, 2	
		Reproductive toxicity (section 3.7)	1A, 1B, 2	

		Flammable gases (including chemically unstable gases) (section 2.2)	A, B (chemically unstable gases)”	
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(ii) Code P210 is replaced by the following:

"P210	Keep away from heat/sparks/open flames/hot surfaces. No smoking.	Explosives (section 2.1)	Divisions 1.1, 1.2, 1.3, 1.4, 1.5	Manufacturer/supplier to specify applicable ignition source(s).
		Flammable gases (section 2.2)	1, 2	
		Aerosols (section 2.3)	1, 2, 3	
		Flammable liquids (section 2.6)	1, 2, 3	
		Flammable solids (section 2.7)	1, 2	
		Self-reactive substances and mixtures (section 2.8)	Types A, B, C, D, E, F	
		Pyrophoric liquids (section 2.9)	1	
		Pyrophoric solids (section 2.10)	1	
		Organic peroxides (section 2.15)	Types A, B, C, D, E, F	
		Oxidising liquids (section 2.13)	1, 2, 3	
		Oxidising solids (section 2.14)	1, 2, 3	

(iii) Code P211 is replaced by the following:

"P211	Do not spray on an open flame or other ignition source.	Aerosols (section 2.3)	1, 2"	
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(iv) Code P220 is replaced by the following:

“P220	Keep/Store away from clothing/.../combustible materials.	Oxidising gases (section 2.4)	1	... Manufacturer/supplier to specify other incompatible materials.
		Self-reactive substances and mixtures (section 2.8)	Types A, B, C, D, E, F	
		Oxidising liquids (section 2.13)	1	– <i>specify to keep away from clothing and other combustible materials.</i>
			2, 3	... Manufacturer/supplier to specify other incompatible materials.
		Oxidising solids (section 2.14)	1	– <i>specify to keep away from clothing and other combustible materials.</i>
			2, 3	... Manufacturer/supplier to specify other incompatible materials.”
Organic peroxides (section 2.15)	Types A, B, C, D, E, F			

(v) Code P223 is replaced by the following:

“P223	Do not allow contact with water.	Substances and mixtures which, in contact with water, emit flammable gases (section 2.12)	1, 2”	
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(vi) Code P244 is replaced by the following:

“P244	Keep valves and fittings free from oil and grease.	Oxidising gases (section 2.4)	1”	
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(vii) Code P251 is replaced by the following:

“P251	Do not pierce or burn, even after use.	Aerosols (section 2.3)	1, 2, 3”	
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(viii) Code P261 is replaced by the following:

“P261	Avoid breathing dust/fume/gas/mist/vapours/spray.	Acute toxicity – inhalation (section 3.1)	3, 4	Manufacturer/supplier to specify applicable conditions. – <i>may be omitted if P260 is given on the label”</i>
		Respiratory sensitisation (section 3.4)	1, 1A, 1B	
		Skin sensitisation (section 3.4)	1, 1A, 1B	

		Specific target organ toxicity – single exposure; respiratory tract irritation (section 3.8)	3	
		Specific target organ toxicity – single exposure; narcosis (section 3.8)	3	

(ix) Code P280, is replaced by the following:

"P280	<b>Wear protective gloves/protective clothing/eye protection/face protection.</b>	Explosives (section 2.1)	Unstable explosives and divisions 1.1, 1.2, 1.3, 1.4, 1.5	Manufacturer/supplier to specify type of equipment. – <i>Specify face protection.</i>
		Flammable liquids (section 2.6)	1, 2, 3	Manufacturer/supplier to specify type of equipment. – <i>Specify protective gloves and eye/face protection.</i>
		Flammable solids (section 2.7)	1, 2	
		Self-reactive substances and mixtures (section 2.8)	Types A, B, C, D, E, F	
		Pyrophoric liquids (section 2.9)	1	
		Pyrophoric solids (section 2.10)	1	
		Self-heating substances and mixtures (section 2.11)	1, 2	
		Substances and mixtures which, in contact with water, emit flammable gases (section 2.12)	1, 2, 3	
		Oxidising liquids (section 2.13)	1, 2, 3	
		Oxidising solids (section 2.14)	1, 2, 3	
		Organic peroxides (section 2.15)	Types A, B, C, D, E, F	
		Acute toxicity – dermal (section 3.1)	1, 2, 3, 4	Manufacturer/supplier to specify type of equipment. – <i>Specify protective gloves/clothing.</i>
		Skin corrosion (section 3.2)	1A, 1B, 1C	Manufacturer/supplier to specify type of equipment. – <i>Specify protective gloves/clothing and eye/face protection.</i>



		Skin irritation (section 3.2)	2	Manufacturer/supplier to specify type of equipment. – <i>Specify protective gloves.</i>
		Skin sensitisation (section 3.4)	1, 1A, 1B	
		Severe eye damage/ (section 3.3)	1	Manufacturer/supplier to specify type of equipment. – <i>Specify eye/face protection.</i>
		Eye irritation (section 3.3)	2	
		Germ cell mutagenicity (section 3.5)	1A, 1B, 2”	

(x) Code P281 is deleted;

(xi) Code P284 is replaced by the following:

“P284	[In case of inadequate ventilation] wear respiratory protection.	Acute toxicity – inhalation (section 3.1)	1, 2	Manufacturer/supplier to specify equipment. – <i>text in square brackets may be used if additional information is provided with the chemical at the point of use that explains what type of ventilation would be adequate for safe use.”</i>
		Respiratory sensitisation (section 3.4)	1, 1A, 1B	

(xii) Code P285 is deleted;

(b) Table 6.3 is amended as follows:

(i) Codes P307 is deleted;

(ii) Code P308 is replaced by the following:

“P308	IF exposed or concerned:	Germ cell mutagenicity (section 3.5)	1A, 1B, 2	
		Carcinogenicity (section 3.6)	1A, 1B, 2	
		Reproductive toxicity (section 3.7)	1A, 1B, 2	
		Reproductive toxicity – effects on or via lactation (section 3.7)	Additional category	

		Specific target organ toxicity, single exposure (section 3.8)	1, 2”	
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(iii) Code P309 is deleted;

(iv) Codes P310, P311 and P312 are replaced by the following:

“P310	Immediately call a POISON CENTER/doctor/...	Acute toxicity – oral (section 3.1)	1, 2, 3	...Manufacturer/supplier to specify the appropriate source of emergency medical advice.
		Acute toxicity – dermal (section 3.1)	1, 2	
		Acute toxicity – inhalation (section 3.1)	1, 2	
		Skin corrosion (section 3.2)	1A, 1B, 1C	
		Serious eye damage/eye irritation (section 3.3)	1	
		Aspiration hazard (section 3.10)	1	

P311	Call a POISON CENTER/doctor/...	Acute toxicity – inhalation (section 3.1)	3	...Manufacturer/supplier to specify the appropriate source of emergency medical advice.
		Respiratory sensitisation (section 3.4)	1, 1A, 1B	
		Specific target organ toxicity – single exposure (section 3.8)	1, 2	
P312	Call a POISON CENTER/doctor/.../ if you feel unwell.	Acute toxicity – oral (section 3.1)	4	...Manufacturer/supplier to specify the appropriate source of emergency medical advice.”
		Acute toxicity – dermal (section 3.1)	3, 4	
		Acute toxicity – inhalation (section 3.1)	4	
		Specific target organ toxicity – single exposure; respiratory tract irritation (section 3.8)	3	
		Specific target organ toxicity – single exposure; narcosis (section 3.8)	3	

(v) Code P321 is replaced by the following:

“P321	Specific treatment (see ... on this label).	Acute toxicity – oral (section 3.1)	1, 2, 3	... Reference to supplemental first aid instruction. – <i>if immediate administration of antidote is required.</i>
		Acute toxicity, dermal (section 3.1)	1, 2, 3, 4	... Reference to supplemental first aid instruction. – <i>if immediate measures such as specific cleansing agent are advised.</i>
		Acute toxicity – inhalation (section 3.1)	3	... Reference to supplemental first aid instruction. – <i>if immediate specific measures are required.</i>
		Skin corrosion (section 3.2)	1A, 1B, 1C	... Reference to supplemental first aid instruction. – <i>manufacturer/supplier may specify a cleansing agent if appropriate.</i>
		Skin irritation (section 3.2)	2	
		Skin sensitisation (section 3.4)	1, 1A, 1B	
		Specific target organ toxicity – single exposure (section 3.8)	1	... Reference to supplemental first aid instruction. – <i>if immediate measures are required.”</i>

(vi) Code P322 is deleted;

(vii) Code P340 is replaced by the following:

“P340	Remove person to fresh air and keep comfortable for breathing.	Acute toxicity – inhalation (section 3.1)	1, 2, 3, 4	
		Skin corrosion (section 3.2)	1A, 1B, 1C	
		Respiratory sensitisation (section 3.4)	1, 1A, 1B	
		Specific target organ toxicity – single exposure; respiratory tract irritation (section 3.8)	3	
		Specific target organ toxicity – single exposure; narcosis (section 3.8)	3”	

(viii) Code P341 is deleted;

(ix) Code P350 is deleted;

(x) Code P352 is replaced by the following:

“P352	Wash with plenty of water/...	Acute toxicity – dermal (section 3.1)	1, 2, 3, 4	...Manufacturer/supplier may specify a cleansing agent if appropriate, or may recommend an alternative agent in exceptional cases if water is clearly inappropriate.”
		Skin irritation (section 3.2)	2	
		Skin sensitisation (section 3.4)	1, 1A, 1B	

(xi) Codes P362 and P363 are replaced by the following:

“P362	Take off contaminated clothing.	Acute toxicity, dermal (section 3.1)	4	
		Skin irritation (section 3.2)	2	
		Skin sensitisation (section 3.4)	1, 1A, 1B	
P363	Wash contaminated clothing before reuse.	Skin corrosion (section 3.2)	1A, 1B, 1C”	

(xii) the following precautionary statement is inserted after Code P363:

“P364	And wash it before reuse.	Acute toxicity, dermal (section 3.1)	1, 2, 3, 4	
		Skin irritation (section 3.2)	2	
		Skin sensitisation (section 3.4)	1, 1A, 1B”	

(xiii) In column 2 of Code P378, the text “Use... for extinction” is replaced by “Use...to extinguish”;

(xiv) Codes P301+P310 and P301+P312 are replaced by the following:

“P301 + P310	IF SWALLOWED: Immediately call a POISON CENTER/doctor/...	Acute toxicity – oral (section 3.1)	1, 2, 3	...Manufacturer/supplier to specify the appropriate source of emergency medical advice.
		Aspiration hazard (section 3.10)	1	
P301 + P312	IF SWALLOWED: Call a POISON CENTER/doctor/.../if you feel unwell.	Acute toxicity – oral (section 3.1)	4	...Manufacturer/supplier to specify the appropriate source of emergency medical advice.”

(xv) Code P302+P350 is deleted;

(xvi) Code P302+P352 is replaced by the following:

“P302 + P352	IF ON SKIN: Wash with plenty of water/...	Acute toxicity – dermal (section 3.1)	1, 2, 3, 4	...Manufacturer/supplier may specify a cleansing agent if appropriate, or
		Skin irritation (section 3.2)	2	

		Skin sensitisation (section 3.4)	1, 1A, 1B	may recommend an alternative agent in exceptional cases if water is clearly inappropriate.”
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(xvii) Code P303+P361+P353 is replaced by the following:

“P303 + P361 + P353	IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.	Flammable liquids (section 2.6)	1, 2, 3	
		Skin corrosion (section 3.2)	1A, 1B, 1C”	

(xviii) Code P304+P340 is replaced by the following:

“P304 + P340	IF INHALED: Remove person to fresh air and keep comfortable for breathing.	Acute toxicity – inhalation (section 3.1)	1, 2, 3, 4	
		Skin corrosion (section 3.2)	1A, 1B, 1C	
		Respiratory sensitisation (section 3.4)	1, 1A, 1B	
		Specific target organ toxicity – single exposure; respiratory tract irritation (section 3.8)	3	
		Specific target organ toxicity – single exposure; narcosis (section 3.8)	3”	

(xix) Code P304+P341 is deleted;

(xx) Code P307+P311 is replaced by the following:

“P308 + P311	IF exposed or concerned: Call a POISON CENTER/doctor/...	Specific target organ toxicity – single exposure (section 3.8)	1, 2	...Manufacturer/supplier to specify the appropriate source of emergency medical advice.”
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(xxi) Code P309+P311 is deleted;

(xxii) Code P342+P311 is replaced by the following:

“P342 + P311	If experiencing respiratory symptoms: Call a POISON CENTER/doctor/...	Respiratory sensitisation (section 3.4)	1, 1A, 1B	...Manufacturer/supplier to specify the appropriate source of emergency medical advice.”
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(xxiii) The following precautionary statements are inserted after Code P342+P311:

“P361 + P364	Take off immediately all contaminated clothing and wash it before reuse.	Acute toxicity, dermal (section 3.1)	1, 2, 3	
P362 + P364	Take off contaminated clothing and wash it before reuse.	Acute toxicity, dermal (section 3.1)	4	
		Skin irritation (section 3.2)	2	

		Skin sensitisation (section 3.4)	1, 1A, 1B”	
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(xxiv) Code P370+P378 is replaced by the following:

“P370 + P378	In case of fire: <b>Use ... to extinguish.</b>	Flammable liquids (section 2.6)	1, 2, 3	... Manufacturer/supplier to specify appropriate media. – <i>if water increases risk.</i> ”
		Flammable solids (section 2.7)	1, 2	
		Self-reactive substances and mixtures (section 2.8)	Types A, B, C, D, E, F	
		Pyrophoric liquids (section 2.9)	1	
		Pyrophoric solids (section 2.10)	1	
		Substances and mixtures which, in contact with water, emit flammable gases (section 2.12)	1, 2, 3	
		Oxidising liquids (section 2.13)	1, 2, 3	
		Oxidising solids (section 2.14)	1, 2, 3	

(c) Table 6.4 is amended as follows:

(i) Code P410 is replaced by the following:

“P410	Protect from sunlight.	Aerosols (section 2.3)	1,2, 3	– <i>may be omitted for gases filled in transportable gas cylinders in accordance with packing instruction P200 of the UN RTDG, Model Regulations, unless those gases are subject to (slow) decomposition or polymerisation</i>
		Gases under pressure (section 2.5)	Compressed gas Liquefied gas Dissolved gas	
		Self-heating substances and mixtures (section 2.11)	1, 2	

		Organic peroxides (section 2.15)	Types A, B, C, D, E, F"	
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(ii) Code P412 is replaced by the following:

"P41 2	Do not expose to temperatures exceeding 50 °C/ 122 °F.	Aerosols (section 2.3)	1, 2, 3"	
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(iii) Codes P410+403 and P410+412 are replaced by the following:



“P41 0 + P403	Protect from sunlight. Store in a well-ventilated place.	Gases under pressure (section 2.5)	Compressed gas Liquefied gas Dissolved gas	<i>– may be omitted for gases filled in transportable gas cylinders in accordance with packing instruction P200 of the UN RTDG, Model Regulations, unless those gases are subject to (slow) decomposition or polymerisation</i>
P410 + P412	Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122°F.	Aerosols (section 2.3)	1, 2, 3”	

(2) Part 2 is amended as follows:

(a) Table 1.2 is amended as follows:

(i) Code P210 is replaced by the following:

“P210	Language	
	BG	Да се пази от топлина/искри/открит пламък/нагорещени повърхности. Тютюнопушенето забранено.
	ES	Mantener alejado de fuentes de calor, chispas, llama abierta o superficies calientes. No fumar.
	CS	Chraňte před teplem/jiskrami/otevřeným plamenem/horkými povrchy. Zákaz kouření.
	DA	Holdes væk fra varme/gnister/åben ild/varme overflader. Rygning forbudt.
	DE	Von Hitze/Funken/offener Flamme/heißen Oberflächen fernhalten. Nicht rauchen.
	ET	Hoida eemal soojusallikast/sädemetest/leekidest/kuumadest pindadest. Mitte suitsetada.
	EL	Μακριά από θερμότητα/σπινθήρες/γυμνές φλόγες/θερμές επιφάνειες. Μην καπνίζετε.
	EN	Keep away from heat/sparks/open flames/hot surfaces. No smoking.

“P210	Language	
	FR	Tenir à l'écart de la chaleur/des étincelles/des flammes nues/des surfaces chaudes. Ne pas fumer.
	GA	Coimeád ó theas/splancacha/lasair gan chosaint/dromchlaí te. Ná caitear tobac.
	IT	Tenere lontano da fonti di calore/scintille/fiamme libere/superfici riscaldate. Non fumare.
	LV	Nelietot vietās, kur ir sastopams karstums/ dzirksteles/ atklāta uguns /... / karstas virsmas. Nesmēķēt.
	LT	Laikyti atokiau nuo šilumos šaltinių/žiežirbų/atviros liepsnos/karštų paviršių. Nerūkyti.
	HU	Hőtől/szikrától/nyílt lángtól/.../forró felületektől távol tartandó. Tilos a dohányzás.
	MT	Żomm ‘il bogħod mis-shana/xrar tan-nar/fjammiet mikxufa/uçuħ jaħarqu. Tpejjipx.
	NL	Verwijderd houden van warmte/vonken/open vuur/hete oppervlakken. Niet roken.
	PL	Przechowywać z dala od źródeł ciepła/iskżenia/otwartego ognia/gorących powierzchni. Palenie wzbronione.
	PT	Manter afastado do calor/faísca/chama aberta/superfícies quentes. Não fumar.
	RO	A se păstra departe de surse de căldură/scânteii/flăcări deschise/suprafețe încinse. Fumatul interzis.
	SK	Uchovávať mimo dosahu tepla/iskier/otvoreného ohňa/horúcich povrchov. Nefajčite.
	SL	Hraniti ločeno od vročine/isker/odprtega ognja/vročih površin. Kajenje prepovedano.
	FI	Suojaa lämmöltä/kipinöiltä/avotulelta/kuumilta pinnoilta. Tupakointi kielletty.
	SV	Får inte utsättas för värme/gnistor/öppen låga/heta ytor. Rökning förbjuden.”

(ii) Code P223 is replaced by the following:

“P223	Language	
	BG	
	ES	
	CS	
	DA	Undgå kontakt med vand.
	DE	Keinen Kontakt mit Wasser zulassen.
	ET	Vältida kokkupuudet veega.
	EL	

“P223	Language	
	EN	Do not allow contact with water.
	FR	Éviter tout contact avec l'eau.
	GA	
	IT	
	LV	
	LT	
	HU	
	MT	Thallix li jkun hemm kuntatt ma' l-ilma.
	NL	
	PL	Chronić przed wszelkim kontaktem z wodą.
	PT	
	RO	A nu se lăsa în contact cu apa.
	SK	Zabráňte kontaktu s vodou.
	SL	
	FI	Ei saa joutua kosketuksiin veden kanssa.
	SV	Undvik all kontakt med vatten”

(iii) Code P244 is replaced by the following:

“P244	Language	
	BG	
	ES	
	CS	
	DA	Hold ventiler og armaturer fri for olie og fedt.
	DE	Ventile und Armaturen frei von Öl und Fett halten
	ET	Hoida ventiilid ja liitmikud õlist ja rasvast puhtad
	EL	
	EN	Keep valves and fittings free from oil and grease.
	FR	Tenir les soupapes et les accessoires exempts d'huile et de graisse.
	GA	
	IT	
	LV	
	LT	
	HU	
	MT	Żomm il-valvi u <i>fittings</i> hielsa miż-żejt u l- <i>grease</i> .
	NL	
	PL	Chronić zawory i instalacje przed tłuszczem i olejem.

	PT	
	RO	Protejați supapele și garniturile de grăsimi.
	SK	Udržiaвайте ventily a príslušenstvo bez oleja a mazadiel.
	SL	
	FI	Pidä venttiilit ja liittimet vapaana öljystä ja rasvasta.
	SV	Håll ventiler och anslutningar fria från olja och fett.”

(iv) Code P251 is replaced by the following:

“P251	Language	
	BG	Да не се пробива и изгаря дори след употреба.
	ES	No perforar ni quemar, aun después del uso.
	CS	Nepropichujte nebo nespalujte ani po použití.
	DA	Må ikke punkteres eller brændes, heller ikke efter brug.
	DE	Nicht durchstechen oder verbrennen, auch nicht nach Gebrauch.
	ET	Mitte purustada ega põletada isegi pärast kasutamist.
	EL	Να μην τρυπηθεί ή καεί ακόμη και μετά τη χρήση.
	EN	Do not pierce or burn, even after use.
	FR	Ne pas perforer, ni brûler, même après usage.
	GA	Ná toll agus ná dóigh, fiú tar éis úsáide.
	IT	Non perforare né bruciare, neppure dopo l’uso.
	LV	Nedurt vai nededzināt, arī pēc izlietošanas.
	LT	Nepradurti ir nedeginti net panaudoto.
	HU	Ne lyukassza ki vagy égesse el, még használat után sem.
	MT	Ittaqqbux jew taħarqux, anki wara li tużah.
	NL	Ook na gebruik niet doorboren of verbranden.
	PL	Nie przekłuwać ani nie spalać, nawet po zużyciu.
	PT	Não furar nem queimar, mesmo após utilização.
	RO	Nu perforați sau ardeți, chiar și după utilizare.
	SK	Neprepichujte alebo nespáľujte ju, a to ani po spotrebovaní obsahu.
	SL	Ne preluknjajte ali sežigajte je niti, ko je prazna.
	FI	Ei saa puhkaista tai polttaa edes tyhjänä.
	SV	Får inte punkteras eller brännas, gäller även tömd behållare.”

(v) Code P281 is deleted;

(vi) Code P284 is replaced by the following:

“P284	Language	
	BG	

	ES	[En caso de ventilación insuficiente,] llevar equipo de protección respiratoria.
	CS	
	DA	[I tilfælde af utilstrækkelig ventilation], anvend åndedrætsværn.
	DE	[Bei unzureichender Belüftung] Atemschutz tragen.
	ET	[Ebapiisava ventilatsiooni korral] kanda hingamisteede kaitsevahendit.
	EL	
	EN	[In case of inadequate ventilation] wear respiratory protection.
	FR	[Lorsque la ventilation du local est insuffisante] porter une équipement de protection respiratoire.
	GA	
	IT	
	LV	
	LT	
	HU	
	MT	[F'każ ta' nuqqas ta' ventilazzjoni] ilbes protezzjoni respiratorja.
	NL	
	PL	[W przypadku nieodpowiedniej wentylacji] stosować indywidualne środki ochrony dróg oddechowych.
	PT	
	RO	[În cazul în care ventilarea este necorespunzătoare] purtați echipament de protecție respiratorie.
	SK	[V prípade nedostatočného vetrania] používajte ochranu dýchacích ciest.
	SL	
	FI	Käytä hengityksensuojainta [jos ilmanvaihto on riittämätön].
	SV	[Vid otillräcklig ventilation], använd andningsskydd.”

(vii) Code P285 is deleted;

(b) Table 1.3 is amended as follows:

(i) Code P307 is deleted;

(ii) Code P309 is deleted;

(iii) Codes P310, P311 and P312 are replaced by the following:

“P310	Language	
	BG	
	ES	Llamar inmediatamente a un CENTRO DE TOXICOLOGÍA/médico/...

“P310	Language	
	CS	
	DA	Ring omgående til en GIFTINFORMATION/læge/....
	DE	Sofort GIFTINFORMATIONSZENTRUM/Arzt/.../ anrufen.
	ET	Võtta viivitamata ühendust MÜRGIKUSTEABEKESKUSE või arstiga.
	EL	
	EN	Immediately call a POISON CENTER/doctor/....
	FR	Appeler immédiatement un CENTRE ANTIPOISON/un médecin/...
	GA	
	IT	
	LV	
	LT	
	HU	
	MT	Immedjatament ċempel l-uffiċju li joffri informazzjoni fuq medicini u veleni fi hdan L-ISPTAR/tabib/...
	NL	
	PL	Natychmiast skontaktować się z OŚRODKIEM ZATRUĆ / lekarzem.
	PT	
	RO	Sunați imediat la un CENTRU DE INFORMARE TOXICOLOGICĂ /un medic/...
	SK	Okamžite volajte Národné toxikologické informačné centrum alebo lekára ....
	SL	
	FI	Ota välittömästi yhteys MYRKYTYSTIETOKESKUKSEEN/lääkäriin/...
	SV	Kontakta genast GIFTINFORMATIONSCENTRALEN/läkare...

P311	Language	
	BG	
	ES	Llamar a un CENTRO DE TOXICOLOGÍA/médico/...
	CS	
	DA	Ring til en GIFTINFORMATION/læge/....
	DE	GIFTINFORMATIONSZENTRUM/Arzt/.../ anrufen.
	ET	Võtta ühendust MÜRGIKUSTEABEKESKUSE või arstiga.
	EL	
	EN	Call a POISON CENTER/doctor/....

P311	Language	
	FR	Appeler un CENTRE ANTIPOISON/un médecin/...
	GA	
	IT	
	LV	
	LT	
	HU	
	MT	Ċempel l-uffiċju li joffri informazzjoni fuq mediċini u veleni fi ħdan L-ISPTAR/tabib/...
	NL	
	PL	Skontaktować się z OŚRODKIEM ZATRUĆ / lekarzem.
	PT	
	RO	Sunați la un CENTRU DE INFORMARE TOXICOLOGICĂ//un medic...
	SK	Volajte Národné toxikologické informačné centrum alebo lekára ....
	SL	
	FI	Ota yhteys MYRKYTYSTIETOKESKUKSEEN/lääkäriin/...
	SV	Kontakta GIFTINFORMATIONSCENTRALEN/läkare/...

P312	Language	
	BG	
	ES	Llamar a un CENTRO DE TOXICOLOGÍA/médico/.../sie la persona se encuentra mal.
	CS	
	DA	I tilfælde af ubehag, ring til en GIFTINFORMATION/læge/....
	DE	Bei Unwohlsein GIFTINFORMATIONSZENTRUM/Arzt/.../anrufen.
	ET	Halva enesetunde korral võtta ühendust MÜRGIKUSTEABEKESKUSE või arstiga.
	EL	
	EN	Call a POISON CENTER/doctor/.../if you feel unwell.
	FR	Appeler un CENTRE ANTIPOISON/un médecin/.../en cas de malaise.
	GA	
	IT	
	LV	
	LT	

P312	Language	
	HU	
	MT	Ċempel l-uffiċju li joffri informazzjoni fuq mediċini u veleni fi hdan L-ISPTAR/tabib/.../f'każ li tħossok ma tiflahx.
	NL	
	PL	W przypadku złego samopoczucia skontaktować się z OŚRODKIEM ZATRUĆ / lekarzem.
	PT	
	RO	Sunați la un CENTRU DE INFORMARE TOXICOLOGICĂ /un medic/.../ dacă nu vă simțiți bine.
	SK	Pri zdravotných problémoch volajte Národné toxikologické informačné centrum alebo lekára ....
	SL	
	FI	Ota yhteys MYRKYTYSTIETOKESKUKSEEN/lääkäriin/.../jos ilmenee pahoinvointia
	SV	Vid <span style="float: right;">obehag,</span> <span style="float: right;">kontakta</span> GIFTINFORMATIONSCENTRALEN/läkare/..."

(iv) Code P322 is deleted;

(v) Code P340 is replaced by the following:

"P340	Language	
	BG	
	ES	Transportar a la persona al aire libre y mantenerla en una posición que le facilite la respiración
	CS	
	DA	Flyt personen til et sted med frisk luft og sørg for, at vejtrækningen lettes.
	DE	Die Person an die frische Luft bringen und für ungehinderte Atmung sorgen.
	ET	Toimetada isik värske õhu kätte ja hoida asendis, mis võimaldab kergesti hingata.
	EL	
	EN	Remove person to fresh air and keep comfortable for breathing.
	FR	Transporter la personne à l'extérieur et la maintenir dans une position où elle peut confortablement respirer.
	GA	
	IT	
	LV	
	LT	
	HU	



“P340	Language	
	MT	Mexxi lil persuna f'arja friska u zommha f'pozizzjoni komda biex tkun tista tieġu n-nifs sew.
	NL	
	PL	Wyprowadzić lub wynieść poszkodowanego na świeże powietrze i zapewnić warunki do odpoczynku w pozycji umożliwiającej swobodne oddychanie.
	PT	
	RO	Transportați persoana la aer liber și mențineți-o într-o poziție confortabilă pentru respirație.
	SK	Presuňte osobu na čerstvý vzduch a umožnite jej pohodlné dýchať.
	SL	
	FI	Siirrä henkilö raittiiseen ilmaan ja varmista vaivaton hengitys.
	SV	Flytta personen till frisk luft och se till att andningen underlättas”

(vi) Code P341 is deleted;

(vii) Code P350 is deleted;

(viii) Code P352 is replaced by the following:

“P352	Language	
	BG	
	ES	Lavar con abundante agua/...
	CS	
	DA	Vask med rigeligt vand/...
	DE	Mit viel Wasser/.../ waschen.
	ET	Pesta rohke veega/...
	EL	
	EN	Wash with plenty of water/...
	FR	Laver abondamment à l'eau/...
	GA	
	IT	
	LV	
	LT	
	HU	
	MT	Aħsel b'ammont kbir ta' ilma/...
	NL	
	PL	Umyć dużą ilością wody /....
	PT	
	RO	Spălați cu multă apă/...

“P352	Language	
	SK	Umyte veľkým množstvom vody ...
	SL	
	FI	Pese runsaalla vedellä/...
	SV	Tvätta med mycket vatten/...”

(ix) Code P362 is replaced by the following:

“P362	Language	
	BG	Свалете замърсеното облекло и го изперете преди повторна употреба.
	ES	Quitarse las prendas contaminadas y lavarlas antes de volver a usarlas.
	CS	Kontaminovaný oděv svlékněte a před opětovným použitím ho vyperte.
	DA	Forurenet tøj tages af.
	DE	Kontaminierte Kleidung ausziehen und vor erneutem Tragen waschen.
	ET	Võtta saastunud rõivad seljast.
	EL	Βγάλτε τα μολυσμένα ρούχα και πλύνετε τα πριν τα ξαναχρησιμοποιήσετε.
	EN	Take off contaminated clothing.
	FR	Enlever les vêtements contaminés et les laver avant réutilisation
	GA	Bain díot láithreach na héadaí éillithe go léir agus nigh iad sula ndéanfar iad a athúsáid.
	IT	Togliersi di dosso gli indumenti contaminati e lavarli prima di indossarli nuovamente.
	LV	Novilkt piesārņoto apģērbu un pirms atkārtotas lietošanas izmazgāt.
	LT	Nusivilkti užterštus drabužius ir išskalbti prieš vėl juos apsivelkant.
	HU	A szennyezett ruhát le kell vetni és az újbóli használat előtt ki kell mosni.
	MT	Inża' l-hwejjeġ kontaminati u aħsilhom qabel ma terġa' tużahom.
	NL	Verontreinigde kleding uittrekken en wassen alvorens deze opnieuw te gebruiken.
	PL	Zanieczyszczoną odzież zdjąć.
	PT	Retirar a roupa contaminada e lavá-la antes de a voltar a usar.
	RO	Scoateți îmbrăcămintea contaminată și spălați-o înainte de reutilizare.
	SK	Kontaminovaný odev vyzlečte.

“P362	Language	
	SL	Sleči kontaminirana oblačila in jih oprati pred ponovno uporabo.
	FI	Riisu saastunut vaatus.
	SV	Ta av nedstänkta kläder.”

(x) The following precautionary statement is inserted after Code P363:

“P364	Language	
	BG	
	ES	Y lavarla antes de volverla a usar.
	CS	
	DA	Og vaskes inden genanvendelse.
	DE	Und vor erneutem Tragen waschen
	ET	Ja pesta enne korduskasutust
	EL	
	EN	And wash it before reuse
	FR	Et les laver avant réutilisation
	GA	
	IT	
	LV	
	LT	
	HU	
	MT	U aħsel qabel ma terġa tuża
	NL	
	PL	Wyprać przed ponownym użyciem
	PT	
	RO	Și spălați înainte de reutilizare.
	SK	A pred ďalším použitím vyperte.
	SL	
	FI	Ja pese ennen uudelleenkäyttöä
	SV	Och tvätta dem innan återanvändning”

(xi) Code P378 is replaced by the following:

“P378	Language	
	BG	
	ES	Utilizar ... para la extinción.
	CS	
	DA	Anvend...til brandslukning.
	DE	... zum Löschen verwenden.

	ET	Kustutamiseks kasutada ....
	EL	
	EN	Use ... to extinguish.
	FR	Utiliser ... pour l'extinction.
	GA	
	IT	
	LV	
	LT	
	HU	
	MT	Uża...biex titfi
	NL	
	PL	Użyć ... do gaszenia.
	PT	
	RO	Utilizați... pentru a stinge.
	SK	Na hasenie použite ....
	SL	
	FI	Käytä palon sammuttamiseen...
	SV	Släck branden med ...”

(xii) Codes P301+P310 and P301+P312 are replaced by the following:

“P301 + P310	Language	
	BG	
	ES	EN CASO DE INGESTIÓN: Llamar inmediatamente a un CENTRO DE TOXICOLOGÍA/médico/...
	CS	
	DA	I TILFÆLDE AF INDTAGELSE: Ring omgående til en GIFTINFORMATION/læge/...
	DE	BEI VERSCHLUCKEN: Sofort GIFTINFORMATIONSZENTRUM/Arzt/.../ anrufen.
	ET	ALLANEELAMISE KORRAL: võtta viivitamata ühendust MÜRGISTUSTEABEKESKUSE või arstiga.
	EL	
	EN	IF SWALLOWED: Immediately call a POISON CENTER/doctor/...
	FR	EN CAS D'INGESTION: Appeler immédiatement un CENTRE ANTIPOISON/un médecin/...
	GA	

“P301 + P310	Language	
	IT	
	LV	
	LT	
	HU	
	MT	JEKK JINBELA’: Immedjatament ċempel l-uffiċju li joffri informazzjoni fuq medicini u veleni fi hdan L-ISPTAR/tabib/...
	NL	
	PL	W PRZYPADKU POŁKNIĘCIA: Natychmiast skontaktować się z OŚRODKIEM ZATRUĆ / lekarzem.
	PT	
	RO	ÎN CAZ DE ÎNGHIȚIRE: sunați imediat la un CENTRU DE INFORMARE TOXICOLOGICĂ/un medic...
	SK	Po požití: Okamžite volajte Národné toxikologické informačné centrum alebo lekára ....
	SL	
	FI	JOS KEMIKAALIA NIELTY: Ota välittömästi yhteys MYRKYTYSTIETOKESKUKSEEN/lääkäriin/...
	SV	VID FÖRTÄRING: Kontakta genast GIFTINFORMATIONSCENTRALEN/läkare/....

P301 + P312	Language	
	BG	
	ES	EN CASO DE INGESTIÓN: Llamar inmediatamente a un CENTRO DE TOXICOLOGÍA/médico/...
	CS	
	DA	I TILFÆLDE AF INDTAGELSE: I tilfælde af ubehag, ring til en GIFTINFORMATION/læge/.../
	DE	BEI VERSCHLUCKEN: Bei Unwohlsein GIFTINFORMATIONSZENTRUM/Arzt/.../ anrufen.
	ET	ALLANEELAMISE KORRAL: halva enesetunde korral võtta ühendust MÜRGIKUSTEABEKESKUSE või arstiga.
	EL	
	EN	IF SWALLOWED: Call a POISON CENTER/doctor/.../if you feel unwell.
	FR	EN CAS D’INGESTION: Appeler un CENTRE ANTIPOISON/un médecin/.../en cas de malaise.

P301 + P312	Language	
	GA	
	IT	
	LV	
	LT	
	HU	
	MT	JEKK JINBELA': Ċempel l-uffiċju li joffri l-informazzjoni fuq medicini u veleni fi hdan L-ISPTAR/tabib/.../f'każ li thossok ma tiflahx
	NL	
	PL	W PRZYPADKU POŁKNIĘCIA: W przypadku złego samopoczucia skontaktować się z OŚRODKIEM ZATRUĆ / lekarzem.
	PT	
	RO	ÎN CAZ DE ÎNGHIȚIRE: sunați la un CENTRU DE INFORMARE TOXICOLOGICĂ /un medic/.../, dacă nu vă simțiți bine.
	SK	Po požití: Pri zdravotných problémoch volajte Národné toxikologické informačné centrum alebo lekára ....
	SL	
	FI	JOS KEMIKAALIA NIELTY: Ota välittömästi yhteys MYRKYTYSTIETOKESKUKSEEN/lääkäriin/.../jos ilmenee pahoinvointia.
	SV	VID FÖRTÄRING: Kontakta GIFTINFORMATIONSCENTRALEN/läkare/... om du mår dåligt.”

(xiii) Code P302+P350 is deleted;

(xiv) Code P302+P352 is replaced by the following:

“P302 + P352	Language	
	BG	
	ES	EN CASO DE CONTACTO CON LA PIEL: Lavar con abundante agua/...
	CS	
	DA	VED KONTAKT MED HUDEN: Vask med rigeligt vand/...
	DE	BEI BERÜHRUNG MIT DER HAUT: Mit viel Wasser/.../waschen.
	ET	NAHALE SATTUMISE KORRAL: pesta rohke vee ja seebiga.

“P302 + P352	Language	
	EL	
	EN	IF ON SKIN: Wash with plenty of water/...
	FR	EN CAS DE CONTACT AVEC LA PEAU: Laver abondamment à l'eau/...
	GA	
	IT	
	LV	
	LT	
	HU	
	MT	
	NL	
	PL	W PRZYPADKU KONTAKTU ZE SKÓRĄ: Umyć dużą ilością wody/...
	PT	
	RO	ÎN CAZ DE CONTACT CU PIELEA: spălați cu multă apă/...
	SK	Pri kontakte s pokožkou: Umyte veľkým množstvom vody....
	SL	
	FI	JOS KEMIKAALIA JOUTUU IHOLLE: Pese runsaalla vedellä/...
	SV	VID HUDKONTAKT: Tvätta med mycket vatten/...”

(xv) Codes P303+P361+P353 and P304+P340 are replaced by the following:

“P303 + P361 + P353	Language	
	BG	
	ES	EN CASO DE CONTACTO CON LA PIEL (o el pelo): Quitar inmediatamente toda la ropa contaminada. Enjuagar la piel con agua/ ducharse.
	CS	
	DA	VED KONTAKT MED HUDEN (eller hår): Alt tilsmudset tøj tages straks af. Skyl/brus huden med vand.
	DE	BEI BERÜHRUNG MIT DER HAUT (oder dem Haar): Alle kontaminierten Kleidungsstücke sofort ausziehen. Haut mit Wasser abwaschen/duschen.

“P303 + P361 + P353	Language	
	ET	NAHALE (või juustele) SATTUMISE KORRAL: võtta viivitamata kõik saastunud rõivad seljast. Loputada nahka veega / loputada duši all.
	EL	
	EN	IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
	FR	EN CAS DE CONTACT AVEC LA PEAU (ou les cheveux): Enlever immédiatement tous les vêtements contaminés. Rincer la peau à l'eau/Se doucher.
	GA	
	IT	
	LV	
	LT	
	HU	
	MT	F'KAŻ TA' KUNTATT MAL-ĠILDA (jew ix-xagħar): Inża' mall-ewwel l-ilbies ikkontaminat. Aħsel il-ġilda bl-ilma/xower
	NL	
	PL	W PRZYPADKU KONTATKU ZE SKÓRĄ (lub z włosami): Natychmiast zdjąć całą zanieczyszczoną odzież. Spłukać skórę pod strumieniem wody/prysznicem.
	PT	
	RO	
	SK	Pri kontakte s pokožkou (alebo vlasmi): Ihneďvyzlečte všetky kontaminované časti odevu. Pokožku opláchnite vodou/sprchou.
	SL	
	FI	JOS KEMIKAALIA JOUTUU IHOLLE (tai hiuksiin): Riisu saastunut vaatetus välittömästi. Huuhdo/suihkuta iho vedellä.
	SV	VID HUDKONTAKT (även håret): Ta omedelbart av alla nedstänkta kläder. Skölj huden med vatten/duscha.

P304 + P340	Language	
	BG	
	ES	EN CASO DE INHALACIÓN: Transportar a la persona al aire librey mantenerla en una posición que le facilite la respiración.



P304 + P340	Language	
	CS	
	DA	VED INDÅNDING: Flyt personen til et sted med frisk luft og sørg for, at vejrtrækningen lettes.
	DE	BEI EINATMEN: Die Person an die frische Luft bringen und für ungehinderte Atmung sorgen.
	ET	SISSEHINGAMISE KORRAL: toimetada kannatanu värske õhu kätte ja asetada mugavasse puhkeasendisse, mis võimaldab kergesti hingata.
	EL	
	EN	IF INHALED: Remove person to fresh air and keep comfortable for breathing.
	FR	EN CAS D'INHALATION: transporter la personne à l'extérieur et la maintenir dans une position où elle peut confortablement respirer.
	GA	
	IT	
	LV	
	LT	
	HU	
	MT	JEKK JITTIEHED BIN-NIFS: Mexxi lil persuna f'arja friska u zommha f'pożizzjoni komda biex tkun tista tieħu n-nifs sew.
	NL	
	PL	W PRZYPADKU DOSTANIA SIĘ DO DRÓG ODDECHOWYCH: wyprowadzić lub wynieść poszkodowanego na świeże powietrze i zapewnić warunki do odpoczynku w pozycji umożliwiającej swobodne oddychanie.
	PT	
	RO	ÎN CAZ DE INHALARE: transportați persoana la aer liber și mențineți-o într-o poziție confortabilă pentru respirație.
	SK	Po vdýchnutí: Presuňte osobu na čerstvý vzduch a umožnite jej pohodlne dýchať.
	SL	
	FI	JOS KEMIKAALIA HENGITETTY: Siirrä henkilö raittiiseen ilmaan ja varmista vaivaton hengitys.
	SV	VID INANDNING: Flytta personen till frisk luft och se till att andningen underlättas.”

(xvi) Code P304+P341 is deleted;

(xvii) Code P307+P311 is replaced by the following:

“P308 + P311	Language	
	BG	
	ES	EN CASO DE exposición demostrada o supuesta: Llamar a un CENTRO DE TOXICOLOGÍA/médico/...
	CS	
	DA	VED eksponering: Ring til en GIFTINFORMATION/læge/....
	DE	BEI Exposition oder falls betroffen: GIFTINFORMATIONSZENTRUM/Arzt/.../ anrufen.
	ET	Kokkupuute korral: võtta ühendust MÜRGISTUSTEABEKESKUSE või arstiga.
	EL	
	EN	IF exposed or concerned: Call a POISON CENTER/doctor/....
	FR	En cas d'exposition prouvée ou suspectée: Appeler un CENTRE ANTIPOISON/un médecin/...
	GA	
	IT	
	LV	
	LT	
	HU	
	MT	JEKK espost jew konċernat: Ċempel l-uffiċju li joffri informazzjoni fuq mediċini u veleni fi hdan L-ISPTAR/tabib/...
	NL	
	PL	W przypadku narażenia lub styczności: Skontaktować się z OŚRODKIEM ZATRUĆ / lekarzem/ ....
	PT	
	RO	ÎN CAZ de expunere: sunați la un CENTRU DE INFORMARE TOXICOLOGICĂ/ un medic/....
	SK	Po expozícii alebo podozrení z nej: Volajte Národné toxikologické informačné centrum alebo lekára....
	SL	
	FI	Altistumisen tapahduttua tai jos epäillään altistumista: Ota yhteys MYRKYTYSTIETOKESKUKSEEN/lääkäriin/...
	SV	Om du exponerats: Kontakta GIFTINFORMATIONSCENTRALEN/läkare/...”

(xviii) Code P309+P311 is deleted;

(xix) Code P342+P311 is replaced by the following:

P342 + P311	Language	
	BG	
	ES	En caso de síntomas respiratorios: Llamar a un CENTRO DE TOXICOLOGÍA/médico/...
	CS	
	DA	Ved luftvejssymptomer: Ring til en GIFTINFORMATION/læge/....
	DE	Bei Symptomen der Atemwege: GIFTINFORMATIONSZENTRUM/Arzt/.../ anrufen.
	ET	Hingamisteede probleemide ilmnemise korral: võtta ühendust MÜRGIKUSTEABEKESKUSE või arstiga.
	EL	
	EN	If experiencing respiratory symptoms: Call a POISON CENTER/doctor/....
	FR	En cas de symptômes respiratoires: Appeler un CENTRE ANTIPOISON/un médecin/...
	GA	
	IT	
	LV	
	LT	
	HU	
	MT	Jekk tkun qed tbat i minn sintomi respiratorji: Ċempel l-uffiċju li joffri informazzjoni fuq medicini u veleni fi hdan L-ISPTAR/tabib/...
	NL	
	PL	W przypadku wystąpienia objawów ze strony układu oddechowego: Skontaktować się z OŚRODKIEM ZATRUĆ / lekarzem/ ....
	PT	
	RO	În caz de simptome respiratorii: sunați la un CENTRU DE INFORMARE TOXICOLOGICĂ/un medic/...
	SK	Pri sťaženom dýchaní: Volajte Národné toxikologické informačné centrum alebo lekára....
	SL	
	FI	Jos ilmenee hengitysoireita: Ota yhteys MYRKYTYSTIETOKESKUKSEEN/lääkäriin/...
	SV	Vid besvär i luftvägarna: Kontakta GIFTINFORMATIONSCENTRALEN/läkare/..."

(xx) The following precautionary statements are inserted after Code P342+P311:

“P361 + P364	Language	
	BG	
	ES	Quitar inmediatamente toda la ropa contaminada y lavarla antes de volverla a usar.
	CS	
	DA	Alt tilsmudset tøj tages straks af og vaskes inden genanvendelse.
	DE	Alle kontaminierten Kleidungsstücke sofort ausziehen und vor erneutem Tragen waschen.
	ET	Viivitamata võtta seljast kõik saastunud rõivad ja pesta enne korduskasutust
	EL	
	EN	Take off immediately all contaminated clothing and wash it before reuse.
	FR	Enlever immédiatement tous les vêtements contaminés et les laver avant réutilisation.
	GA	
	IT	
	LV	
	LT	
	HU	
	MT	Inża' mall-ewwel l-ilbies ikkontaminat u aħsel qabel ma terġa tużahom.
	NL	
	PL	Natychmiast zdjąć całą zanieczyszczoną odzież i wyprać przed ponownym użyciem
	PT	
	RO	Scoateți imediat toată îmbrăcămintea contaminată și spălați-o înainte de reutilizare.
	SK	Všetky kontaminované časti odevu ihneď vyzlečte a pred ďalším použitím vyperte.
	SL	
	FI	Riisu saastunut vaatetus välittömästi ja pese ennen uudelleenkäyttöä.
	SV	Ta omedelbart av alla nedstänkta kläder och tvätta dem innan återanvändning.

P362 + P364	Language	
	BG	
	ES	Quitar la ropa contaminada y lavarla antes de volverla a usar.
	CS	
	DA	Alt tilsmudset tøj tages af og vaskes inden genanvendelse.
	DE	Kontaminierte Kleidung ausziehen und vor erneutem Tragen waschen
	ET	Võtta seljast saastunud rõivad ja pesta enne korduskasutust
	EL	
	EN	Take off contaminated clothing and wash it before reuse
	FR	Enlever tous les vêtements contaminés et les laver avant réutilisation.
	GA	
	IT	
	LV	
	LT	
	HU	
	MT	Inża' l-ilbies ikkontaminat u aħsel qabel ma terġa tużahom.
	NL	
	PL	Zanieczyszczoną odzież zdjąć i wyprać przed ponownym użyciem
	PT	
	RO	Scoateți imediat îmbrăcămintea contaminată și spălați-o înainte de reutilizare.
	SK	Kontaminovaný odev vyzlečte a pred ďalším použitím vyperte
	SL	
	FI	Riisu saastunut vaateetus ja pese ennen uudelleenkäyttöä
	SV	”

(xxi) Code P370+P378 is replaced by the following:

P370 + P378	Language	
	BG	
	ES	En caso de incendio: Utilizar ... para la extinción.
	CS	
	DA	Ved brand: Anvend ... til brandslukning
	DE	Bei Brand: ... zum Löschen verwenden.

P370 + P378	Language	
	ET	Tulekahju korral: kasutada kustutamiseks ....
	EL	
	EN	In case of fire: Use ... to extinguish
	FR	En cas d'incendie: Utiliser ... pour l'extinction.
	GA	
	IT	
	LV	
	LT	
	HU	
	MT	F'każ ta' nar: Uża...biex titfi
	NL	
	PL	W przypadku pożaru: Użyć ... do gaszenia.
	PT	
	RO	În caz de incendiu: utilizați... pentru a stinge.
	SK	V prípade požiaru: Na hasenie použite....
	SL	
	FI	Tulipalon sattuessa: Käytä palon sammuttamiseen...
	SV	Vid brand: Släck branden med ....”

## ANNEX V

Annex V to Regulation (EC) No 1272/2008 is amended as follows:

(1) Part 1 is amended as follows:


(a) In column 2 of section 1.2, the words “Flammable aerosols, hazard categories 1, 2” are replaced by “Aerosols, hazard categories 1, 2”;

(b) In section 1.6, the following words are inserted after section 2.2: Flammable gases, hazard Category 2:

“Section 2.3: Aerosols, hazard Category 3”;

(2) In Part 3, section 3.1 is replaced by the following:

“3.1 SYMBOL: ENVIRONMENT

Pictogram (1)	Hazard class and hazard category (2)
GHS09 	<u>Section 4.1</u> Hazardous to the aquatic environment – Acute hazard category: Acute 1 – Long-term hazard categories: Chronic 1, Chronic 2

A pictogram is not required for the following environmental hazard classes and hazard categories:

Section 4.1: Hazardous to the aquatic environment – Long-term hazard categories: Chronic 3, Chronic 4.”

## **ANNEX VI**

Part 1 of Annex VI to Regulation (EC) No 1272/2008 is amended as follows:

- (1) In the fourth row of Table 1.1, the words “Flammable aerosol” are replaced by “Aerosol”;
- (2) In section 1.2.3, the first paragraph is replaced by the following:

“Hazard statements H360 and H361 indicate a general concern for effects on fertility and / or development: “May damage/Suspected of damaging fertility or the unborn child”. According to the criteria, the general hazard statement can be replaced by the hazard statement indicating the specific effect of concern in accordance with section 1.1.2.1.2. When the other differentiation is not mentioned, this is due to evidence proving no such effect, inconclusive data or no data and the obligations in Article 4(3) shall apply for that differentiation.”.



## ANNEX VII

In Annex VII to Regulation (EC) No 1272/2008, Note 4 under Table 1.1 is replaced by the following:

*“Note 4*

“Hazard statements H360 and H361 indicate a general concern for effects on fertility and / or development: “May damage/Suspected of damaging fertility or the unborn child”. According to the criteria, the general hazard statement can be replaced by the hazard statement indicating the specific effect of concern in accordance with section 1.1.2.1.2. When the other differentiation is not mentioned, this is due to evidence proving no such effect, inconclusive data or no data and the obligations in Article 4(3) shall apply for that differentiation.”;