

## **ANNEX II**

### **Special rules for labelling and packaging of certain substances and mixtures**

This Annex sets out additional labelling and packaging provisions to be applied to certain specified substances, mixtures and articles and specific rules to be applied at the workplace and for consumer information.

It consists of 5 parts.

- Part 1 contains special rules for the labelling of certain substances and mixtures.
- Part 2 set out rules for additional hazard statements to be added to some classified substances and mixtures.
- Part 3 sets out special rules for packaging.
- Part 4 sets out rules for the workplace, and
- Part 5 sets out rules on consumer information.

Any reference in this Annex to a “Part”, “chapter”, “section” or “paragraph” is a reference to the provisions of this Annex, unless stated otherwise.

#### **1. PART 1: SUPPLEMENTAL HAZARD INFORMATION**

The supplemental hazard information described below covers additional hazardous properties which have not yet been included in the GHS but which have been part of the EU system in the past. Such hazard information shall be assigned to substances and mixtures already classified for physical, human health and/or environmental hazards in accordance with the criteria set out below. This supplementary hazard information shall be placed in a section for supplementary information as referred to in Article 14<sup>1</sup>.

##### **1.1. Physical properties<sup>2</sup>**

###### *1.1.1. R1 – Explosive when dry*

For explosive substances and mixtures put on the market wetted with water or alcohols or diluted with other substances to suppress their explosives properties<sup>3 4</sup>.

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<sup>1</sup> GHS paragraph 1.4.6.3.2.

<sup>2</sup> 67/548/EEC Annex VI, Section 2.2.6.

<sup>3</sup> Modified from Note 2 of Chapter 2.1 of GHS.

<sup>4</sup> Wording Annex VI: “*For explosive substances and preparations put on the market in solution or in a wetted form, e.g. nitrocellulose with more than 12,6 % nitrogen.*”

*1.1.2. R6 - Explosive with or without contact with air*

For substances and mixtures which are unstable at ambient temperatures, e.g. acetylene.

*1.1.3. R14 - Reacts violently with water*

For substances and mixtures which react violently with water, e.g. acetyl chloride, alkali metals, titanium tetrachloride.

*1.1.4. R18 - In use, may form flammable/explosive vapour -air mixture*

For substances and mixtures not in themselves classified as flammable, which contain volatile components which are flammable in air.

*1.1.5. R19 - May form explosive peroxides*

For substances and mixtures which may form explosive peroxides during storage, e.g. diethyl ether, 1,4-dioxan.

*1.1.6. R30 – Can become highly flammable in use*

For mixtures not in themselves classified as flammable, which may become flammable due to the loss of non-flammable volatile components.

*1.1.7. R44 - Risk of explosion if heated under confinement*

For substances and mixtures not in themselves classified as explosive in accordance with Annex 1, Part 2, Section 2.1.2, but which may nevertheless display explosive properties in practice if heated under sufficient confinement. For example, certain substances which would decompose explosively if heated in a steel drum do not show this effect if heated in less-strong containers.

**1.2. Health properties<sup>5</sup>**

*1.2.1. R29 - Contact with water liberates toxic gas*

For substances and mixtures which in contact with water or damp air, evolve very toxic/toxic gases in potentially dangerous amounts, e.g. aluminium phosphide, phosphorus pentasulphide.

*1.2.2. R31 - Contact with acids liberates toxic gas*

For substances and mixtures which react with acids to evolve toxic gases in dangerous amounts, e.g. sodium hypochlorite, barium polysulphide.

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<sup>5</sup> 67/548/EEC Annex VI, Section 3.2.8

For substances used by members of the general public, the use of S50 (do not mix with ... (to be specified by the manufacturer)) would be more suitable.

1.2.3. *R32 - Contact with acids liberates very toxic gas*

For substances and mixtures which react with acids to evolve very toxic gases in dangerous amounts; e.g. salts of hydrogen cyanide, sodium azide.

For substances used by members of the general public, the use of S50 (do not mix with ... (to be specified by the manufacturer)) would be more suitable.

1.2.4. *R66 - Repeated exposure may cause skin dryness or cracking*

Substances and mixtures which may cause concern as a result of skin dryness, flaking or cracking but which do not meet the criteria for skin irritancy in Annex I, Part 3, Section 3.2 shall be labelled as defatting for skin, based on either:

- practical observations; or
- relevant evidence concerning their predicted effects on the skin.

1.2.5. *[xyy] – Corrosive to the respiratory tract*

For substances and mixtures in addition to classification for inhalation toxicity, if data are available that indicates that the mechanism of toxicity was corrosivity – see advice at 3.1.2.3.3 and Note 1 of Table 3.1.3.

**2. PART 2: SPECIAL RULES FOR SUPPLEMENTAL LABEL ELEMENTS/INFORMATION OF CERTAIN SUBSTANCES OR MIXTURES**

This supplementary hazard information shall be placed in the section for supplementary information as referred to in Article 14.

**2.1. Plant Protection Products**

Without prejudice to the information required in accordance with Article 16 of Annex V to, Directive 91/414/EEC, the labelling for plant protection products subject to Directive 91/414/EEC shall also include the following wording<sup>6</sup>:

**“To avoid risks to human health and the environment, comply with the instructions for use”.**

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<sup>6</sup> 1999/45/EC Art. 10 1.2

## 2.2. Aerosols<sup>7</sup>

Note that aerosols are also subject to the labelling provisions in accordance with points 2.2 and 2.3 of the Annex to Directive 75/324/EEC.

## 2.3. Mixtures containing lead

The label on the packaging of paints and varnishes containing lead in quantities exceeding 0,15% (expressed as weight of metal) of the total weight of the mixture, as determined in accordance with ISO standard 6503, shall bear the following inscription:

**“Contains lead. Should not be used on surfaces liable to be chewed or sucked by children”.**

In the case of packages the contents of which are less than 125 millilitres, the inscription may be as follows:

**“Warning! Contains lead”.**

## 2.4. Mixtures containing cyanoacrylates

The label on the immediate packaging of adhesives based on cyanoacrylate shall bear the following inscriptions

**“Cyanoacrylate. Danger. Bonds skin and eyes in seconds. Keep out of the reach of children”.**

Appropriate advice on safety shall accompany the package.

## 2.5. Cements and cement mixtures<sup>8</sup>

Unless cements or cement containing mixtures are already classified and labelled as a sensitiser with hazard statement “May cause an allergic skin reaction”, the label on the packaging of cements and cement mixtures containing, when they are hydrated, more than 0,0002 % soluble chromium (VI) of the total dry weight of the cement shall bear the inscription:

**“Contains chromium (VI). May produce an allergic reaction”.**

If reducing agents are used, then the packaging of cement or cement containing mixtures shall include information on the packing date, the storage conditions and the storage period appropriate to maintaining the activity of the reducing

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<sup>7</sup> For issues related to aerosols see main report.

<sup>8</sup> 1999/45/EC, Annex V Part B point 12 (additional point from 2001/60/EC).

agent and to keeping the content of soluble chromium VI below the limit indicated in paragraph 1.5.1.

**2.6. Mixtures containing isocyanates**

The label on the packaging of mixtures containing isocyanates (as monomers, oligomers, prepolymers, etc., or as mixtures thereof) must bear the following inscriptions:

**“Contains isocyanates. See information supplied by the manufacturer.”**

**2.7. Mixtures containing epoxy constituents with an average molecular weight • 700**

The label on the packaging of mixtures containing epoxy constituents with an average molecular weight • 700 must bear the following inscriptions:

**“Contains epoxy constituents. See information supplied by the manufacturer.”**

**2.8. Mixtures sold to the general public which contain active chlorine**

The label on the packaging of mixtures containing more than 1% of active chlorine must bear the following particular inscriptions:

**“Warning! Do not use together with other products. May release dangerous gases (chlorine).”**

**2.9. Mixtures containing cadmium (alloys) and intended to be used for brazing or soldering**

The label on the packaging of the above mentioned mixtures must bear the following inscription:

**“Warning! Contains cadmium. Dangerous fumes are formed during use. See information supplied by the manufacturer. Comply with the safety instructions.”**

**2.10. Mixtures not classified as sensitising but containing at least one sensitising substance**

The label on the packaging of mixtures containing at least one substance classified as sensitising and being present in a concentration equal to or greater than 0,1% or in a concentration equal to or greater than that specified under a specific note for the substance in Annex VI to this Regulation must bear the inscription:

**“Contains (name of sensitising substance). May produce an allergic reaction.”**

### **2.11. Liquid mixtures containing halogenated hydrocarbons<sup>9</sup>**

For liquid mixtures which show no flashpoint or a flashpoint higher than 55° C and contain a halogenated hydrocarbon and more than 5% flammable or highly flammable substances, the label on the packaging must bear the following inscription as appropriate:

**“Can become highly flammable in use” or “Can become flammable in use”.**

## **3. PART 3: SPECIAL RULES ON PACKAGING**

### **3.1. PROVISIONS RELATING TO CHILD-RESISTANT FASTENINGS**

#### *3.1.1. Containers to be fitted with child-resistant fastenings*

3.1.1.1. Containers containing substances or mixtures supplied to the general public and labelled as hazardous to human health as shown as acutely toxic, categories 1-3, skin corrosion or serious eye damage shall be fitted with child-resistant fastenings<sup>10</sup>.

3.1.1.2. Containers containing substances or mixtures presenting an aspiration hazard and classified according to paragraph 3.10.2, and labelled according to paragraph 3.10.4.1 of Annex I, Part 3, with the exception of substances and mixtures placed on the market in the form of aerosols or in a container fitted with a sealed spray attachment, shall be fitted with child-resistant fastenings<sup>11</sup>.

3.1.1.3. Containers having at least one of the substances mentioned below present in a concentration equal to or greater than the maximum individual concentrations specified, which are supplied to the general public shall be fitted with child-resistant fastenings<sup>12</sup>.

No.	Identification of the substance			Concentration limit
	CAS No:	Name	EC No:	

<sup>9</sup> Note that R30 with the same wording and scope as the first of these special labelling requirements is part of Annex II Part 1.

<sup>10</sup> 67/548/EEC Article 22.1 (e) and 1999/45/EC Annex IV Part A (modified to conform with GHS terminology).

<sup>11</sup> 67/548/EEC Annex IX Part A and 1999/45/EC Annex IV Part A (modified to conform with GHS terminology).

<sup>12</sup> 1999/45/EC Annex IV Part A.

1	67-56-1	methanol	200-659-6	≥ 3%
2	75-09-2	dichloromethane	200-838-9	≥ 1%

### 3.1.2. *Reclosable packages*<sup>13</sup>

Child-resistant fastenings used on reclosable packages shall comply with ISO standard 8317 as amended relating to “Child-resistant packages - Requirements and methods of testing for reclosable packages” adopted by the International Standard Organisation (ISO).

### 3.1.3. *Non-reclosable packages*<sup>14</sup>

Child-resistant fastenings used on non-reclosable packages shall comply with CEN standard EN 862 as amended relating to “Packaging - Child-resistant packaging - Requirements and testing procedures for non-reclosable packages for non-pharmaceutical products” adopted by the European Committee for Standardisation (CEN).

### 3.1.4. *Notes*

3.1.4.1. Evidence of conformity with the above standards may be certified only by laboratories which conform with European Standards Series EN 45 000 15.

3.1.4.2. Specific cases

If it seems obvious that packaging is sufficiently safe for children because they cannot get access to the contents without the help of a tool, the test does not need to be performed<sup>16</sup>.

In all other cases and when there are sufficient grounds for doubting the security of the closure for a child, the national authority may ask the person responsible for putting the product on the market to give it a certificate from a certifying laboratory, referred to in 2.1.6, stating that either:

- the type of closure is such that it is not necessary to test to the ISO and CEN standards referred to above; or
- the closure has been tested and has been found to conform with the standards referred to above.

<sup>13</sup> 67/548/EEC Annex IX Part A.

<sup>14</sup> 67/548/EEC Annex IX Part A

<sup>15</sup> 67/548/EEC Annex IX Part A.

<sup>16</sup> 67/548/EEC Annex IX Part A

## 3.2. Tactile Warnings

### 3.2.1. Containers to be fitted with a tactile warning

Containers containing substances or mixtures supplied to the general public and labelled as hazardous to human health as shown as acutely toxic, skin corrosion or serious eye damage, germ cell mutagenicity, carcinogenicity, reproductive toxicity, skin or respiratory sensitisation, or Specific Target Organ Systemic Toxicity (STOST), or flammable gases, liquids and solids in categories 1 and 2, shall be fitted with a tactile warning of danger<sup>17</sup>.

### 3.2.2. Provisions relating to tactile warning

3.2.2.1. This provision does not apply to aerosols containing only flammable gases, liquids and solids in categories 1 and 2<sup>18</sup>.

3.2.2.2. The technical specifications for tactile warning devices shall conform with ISO standard 11683 as amended "Packaging - Tactile warnings of danger - Requirements"<sup>19</sup>.

## 4. PART 4: RULES FOR THE WORKPLACE, INCLUDING PROFESSIONAL USERS

### 4.1. Mixtures not intended for the general public<sup>20</sup>

The label on the packaging for mixtures which are not classified as hazardous but contain in an individual concentration of  $\geq 1\%$  by weight for non-gaseous mixture and  $\geq 0.2\%$  by volume for gaseous mixture at least one substance posing health or environmental hazards or at least one substance for which there are Community workplace exposure limits shall bear the inscription:

**"Safety data sheet available for downstream users and distributors/professional users on request"**.

### 4.2. Additional rules for the workplace

- (a) Labels on supplied containers shall be maintained on containers in the workplace.
- (b) Manufacturers, importers and downstream users of substances or mixtures are strongly encouraged/ advised to label also containers and packages that

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<sup>17</sup> 67/548/EEC Article 22.1 (e) and (f) and 1999/45/EC Annex IV (modified to conform with GHS terminology).

<sup>18</sup> 1999/45/EC Annex IV (modified to conform with GHS terminology).

<sup>19</sup> 67/548/EEC Annex IX Part B and GHS § 1.4.10.5.5.3

<sup>20</sup> 1999/45/EC Annex V Part C (modified).



are not placed on the market but where substances or mixtures may be transferred from one container to another in the workplace, unless <sup>21</sup> this is impractical, due, for example, to container size limitations or lack of access to a process container.

Some examples of such workplace situations include:

- containers for laboratory testing or analysis;
- storage vessels;
- piping or process reaction systems; or
- temporary containers where the substance or mixture will be used by one worker within a short timeframe.

Decanted substances or mixtures intended for immediate use may be labelled with the main components and directly refer the user to the supplier label information and safety data sheet.

(c) Without prejudice to Article 32 REACH Regulation, manufacturers, importers and downstream users of substances or mixtures are strongly encouraged/ advised to display the safety data sheets in the workplace or to use an alternative method to communicate the hazards at the workplace, for example:

- use of product identifiers together with symbols and other pictograms to describe precautionary measures;
- use of process flow charts for complex systems to identify substances or mixtures contained in pipes and vessels with links to the appropriate safety data sheet;
- use of displays with symbols, colour and signal words in piping systems and processing equipment;
- use of permanent placarding for fixed piping;
- use of batch tickets or recipes for labelling batch mixing vessels; and
- use of piping bands with hazard symbols and product identifiers.

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<sup>21</sup> GHS § 1.4.10.5.5.

## **5. PART 5: CONSUMER INFORMATION**

### **5.1. Mixtures sold to the general public**

When substances or mixtures supplied to the general public are classified in accordance with the criteria of Annex I, Chapter 3.1 as being in Acute Toxicity Category 1, 2 or 3, or in accordance with the criteria of Chapter 3.2 as being in Skin Corrosion Category 1, or in accordance with the criteria of Chapter 3.8 as being in Specific Target Organ Systemic Toxicity (STOST) – Single Exposure Category 1 or in accordance with the criteria of Chapter 3.9 as being Specific Target Organ Systemic Toxicity – Repeated Exposure Category 1 and where it is physically impossible to give such information on the package itself, packages containing such substances or mixtures must be accompanied by precise and easily understandable instructions for use including, where appropriate, instructions for the destruction of the empty package<sup>22</sup>.

### **5.2. Gas containers intended for propane, butane or liquefied petroleum gas (LPG)**

For cylinders containing propane, butane and liquefied petroleum gas or mixtures containing these substances and where the labelling derogations of Annex I paragraph 1.3.2 are applied, such cylinders supplied to the general public must be furnished with sufficient information to enable users to take the necessary measures as regards the protection of health and safety<sup>23</sup>.

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<sup>22</sup> Annex V to Directive 1999/45/EC Part A.1.2 (modified to conform with GHS terminology).  
<sup>23</sup> Last sentence of 67/548/EEC Annex VI sections 8.2 and 9.2, modified to contain the relevant section from Directive 91/155/EEC on Safety Data Sheets.

**ANNEX III**  
**List of Hazard Statements**

**1. PART 1: HAZARD STATEMENTS**

The hazard statements to be used in labelling are to be applied in accordance with the criteria in Annex I, Parts 2, 3 and 4.

**Table 1.1**  
**Hazard statements for physical hazards**

[H201 <sup>24</sup> ]	Language	2.1- Explosives, Unstable explosives
	CS	
	DA	
	DE	
	EL	
	EN	Unstable explosives.
	ES	Explosivo inestable.
	ET	
	FI	
	FR	Explosif instable.
	HU	
	IT	
	LT	
	LV	

<sup>24</sup> The codification system for GHS hazard statements is still under discussion in the UN Committee of Experts and therefore only included as ex ample.

	MT	
	NL	
	PL	
	PT	
	SK	
	SL	
	SV	

<b>[H202]</b>	<b>Language</b>	<b>2.1- Explosives, Division 1.1</b>
	CS	
	DA	
	DE	
	EL	
	EN	Explosive; mass explosion hazard .
	ES	Explosivo; peligro de explosión en masa.
	ET	
	FI	
	FR	Explosif ; danger d'explosion en masse
	HU	
	IT	

	LV	
	LT	
	MT	
	NL	
	PL	
	PT	
	SK	
	SL	
	SV	

<b>[H203]</b>	<b>Language</b>	<b>2.1- Explosives, Division 1.2</b>
	CS	
	DA	
	DE	
	EL	
	EN	Explosive, severe projection hazard .
	ES	Explosivo; grave peligro de proyección.
	ET	
	FI	
	FR	Explosif ; danger sérieux de projection

	HU	
	IT	
	LV	
	LT	
	MT	
	NL	
	PL	
	PT	
	SK	
	SL	
	SV	

<b>[H204]</b>	<b>Language</b>	<b>2.1- Explosives, Division 1.3</b>
	CS	
	DA	
	DE	
	EL	
	EN	Explosive; fire, blast or projection hazard .
	ES	Explosivo; peligro de incendio, de onda explosiva o de proyección.
	ET	

	FI	
	FR	Explosif, danger d'incendie, d'effet de souffle ou de projection.
	HU	
	IT	
	LV	
	LT	
	MT	
	NL	
	PL	
	PT	
	SK	
	SL	
	SV	

<b>[H205]</b>	<b>Language</b>	<b>2.1- Explosives, Division 1.4</b>
	CS	
	DA	
	DE	
	EL	
	EN	Fire or projection hazard.

	ES	Peligro de incendio o de proyección.
	ET	
	FI	
	FR	Danger d'incendie ou de projection.
	HU	
	IT	
	LV	
	LT	
	MT	
	NL	
	PL	
	PT	
	SK	
	SL	
	SV	

<b>[H206]</b>	<b>Language</b>	<b>2.1 – Explosives, Division 1.5</b>
	CS	
	DA	
	DE	



	EL	
	EN	May mass explode in fire .
	ES	Peligro de explosión en masa en caso de incendio.
	ET	
	FI	
	FR	Danger d'explosion en masse en cas d'incendie .
	HU	
	IT	
	LV	
	LT	
	MT	
	NL	
	PL	
	PT	
	SK	
	SL	
	SV	

<b>[H207]</b>	<b>Language</b>	<b>2.8 – Self-Reactive Substances and Mixtures, Type A</b> <b>2.15 – Organic Peroxides, Type A</b>
	CS	

	DA	
	DE	
	EL	
	EN	Heating may cause an explosion.
	ES	Puede explotar calentarse.
	ET	
	FI	
	FR	Risque d'explosion en cas d'échauffement.
	HU	
	IT	
	LV	
	LT	
	MT	
	NL	
	PL	
	PT	
	SK	
	SL	
	SV	

[H208]	Language	2.8 – Self-Reactive Substances and Mixtures, Type B 2.15 – Organic Peroxides, Type B
	CS	
	DA	
	DE	
	EL	
	EN	Heating may cause a fire or explosion.
	ES	Puede incendiarse o explotar al calentarse.
	ET	
	FI	
	FR	Risque d'incendie ou d'explosion en cas d'échauffement.
	HU	
	IT	
	LV	
	LT	
	MT	
	NL	
	PL	
	PT	
	SK	
	SL	

	SV	
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[H209]	Language	2.13 – Oxidizing Liquids, Hazard Category 1 2.14 – Oxidizing Solids, Hazard Category 1
	CS	
	DA	
	DE	
	EL	
	EN	May cause fire or explosion; strong oxidizer.
	ES	Puede provocar un incendio o una explosión; muy comburente.
	ET	
	FI	
	FR	Peut provoquer un incendie ou une explosion; comburant puissant.
	HU	
	IT	
	LV	
	LT	
	MT	
	NL	
	PL	

	PT	
	SK	
	SL	
	SV	

[H220]	Language	2.9 – Pyrophoric Liquids, Hazard Category 1 2.10 – Pyrophoric Solids, Hazard Category 1
	CS	
	DA	
	DE	
	EL	
	EN	Catches fire spontaneously if exposed to air .
	ES	Se inflama espontáneamente en contacto con el aire.
	ET	
	FI	
	FR	S'enflamme spontanément au contact de l'air .
	HU	
	IT	
	LV	
	LT	
	MT	

	NL	
	PL	
	PT	
	SK	
	SL	
	SV	

[H221]	Language	2.4 – Oxidizing Gases, Hazard Category 1
	CS	
	DA	
	DE	
	EL	
	EN	May cause or intensify fire ; oxidizer.
	ES	Puede provocar o agravar un incendio ; comburente.
	ET	
	FI	
	FR	Peut provoquer ou aggraver un incendie ; comburant.
	IT	
	LV	
	LT	

	HU	
	MT	
	NL	
	PL	
	PT	
	SK	
	SL	
	SV	

<b>[H222]</b>	<b>Language</b>	<b>2.13 – Oxidizing Liquids, Hazard Category 2, 3</b> <b>2.14 – Oxidizing Solids, Hazard Category 2, 3</b>
	CS	
	DA	
	DE	
	EL	
	EN	May intensify fire; oxidizer.
	ES	Puede agravar un incendio; comburente.
	ET	
	FI	
	FR	Peut aggraver un incendie; comburant.
	HU	

	IT	
	LV	
	LT	
	MT	
	NL	
	PL	
	PT	
	SK	
	SL	
	SV	

[H223]	Language	2.12 – Substances and Mixtures which, in contact with water, emit flammable gases, Hazard Category 1
	CS	
	DA	
	DE	
	EL	
	EN	In contact with water releases flammable gases which may ignite spontaneously.
	ES	En contacto con el agua desprende gases inflamables que p ueden inflamarse espontáneamente.
	ET	



	FI	
	FR	Dégage au contact de l'eau des gaz inflammables qui peuvent s'enflammer spontanément.
	HU	
	IT	
	LV	
	LT	
	MT	
	NL	
	PL	
	PT	
	SK	
	SL	
	SV	

<b>[H224]</b>	<b>Language</b>	<b>2.12 - Substances and Mixtures which, in contact with water, emit flammable gases, Hazard Category 2</b>
	CS	
	DA	
	DE	
	EL	

	EN	In contact with water releases flammable gas .
	ES	En contacto con el agua desprende gases inflamables.
	ET	
	FI	
	FR	Dégage au contact de l'eau des gaz inflammables.
	HU	
	IT	
	LV	
	LT	
	MT	
	NL	
	PL	
	PT	
	SK	
	SL	
	SV	

<b>[H225]</b>	<b>Language</b>	<b>2.11 - Self-Heating Substances and Mixtures, Hazard Category 1</b>
	CS	
	DA	

	DE	
	EL	
	EN	Self-heating: may catch fire.
	ES	Se calienta espontáneamente, puede inflamarse.
	ET	
	FI	
	FR	Matière auto-échauffante; peut s'enflammer.
	HU	
	IT	
	LV	
	LT	
	MT	
	NL	
	PL	
	PT	
	SK	
	SL	
	SV	

[H226]	Language	<b>2.11 - Self-Heating Substances and Mixtures, Hazard Category 2</b>
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	CS	
	DA	
	DE	
	EL	
	EN	Self-heating in large quantities; may catch fire.
	ES	Se calienta espontáneamente en grandes cantidades; puede inflamarse.
	ET	
	FI	
	FR	Matière auto-échauffante en grandes quantités; peut s'enflammer.
	HU	
	IT	
	LV	
	LT	
	MT	
	NL	
	PL	
	PT	
	SK	
	SL	

	SV	
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[H227]	Language	2.8 - Self-Reactive Substances and Mixtures, Types C, D, E, F 2.15 -Organic Peroxides, Types C, D, E, F
	CS	
	DA	
	DE	
	EL	
	EN	Heating may cause a fire.
	ES	Puede incendiarse al calentarse.
	ET	
	FI	
	FR	Risque d'incendie en cas d'échauffement.
	HU	
	IT	
	LV	
	LT	
	MT	
	NL	
	PL	

	PT	
	SK	
	SL	
	SV	

<b>[H240]</b>	<b>Language</b>	<b>2.2 – Flammable gases, Hazard Category 1</b>
	CS	
	DA	
	DE	
	EL	
	EN	Extremely flammable gas .
	ES	Gas extremadamente inflamable .
	ET	
	FI	
	FR	Gaz extrêmement inflammable.
	HU	
	IT	
	LV	
	LT	
	MT	

	NL	
	PL	
	PT	
	SK	
	SL	
	SV	

<b>[H241]</b>	<b>Language</b>	<b>2.2 – Flammable gases, Hazard Category 2</b>
	CS	
	DA	
	DE	
	EL	
	EN	Flammable gas.
	ES	Gas inflamable.
	ET	
	FI	
	FR	Gaz inflammable.
	HU	
	IT	
	LV	

	LT	
	MT	
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<b>[H242]</b>	<b>Language</b>	<b>2.3 – Flammable aerosols, Hazard Category 1</b>
	CS	
	DA	
	DE	
	EL	
	EN	Extremely flammable aerosol .
	ES	Aerosol extremadamente inflamable.
	ET	
	FI	
	FR	Aérosol extrêmement inflammable.
	HU	



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	LV	
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[H243]	Language	2.3 – Flammable aerosols, Hazard Category 2
	CS	
	DA	
	DE	
	EL	
	EN	Flammable aerosol.
	ES	Aerosol inflamable.
	ET	
	FI	

	FR	Aérosol inflammable.
	HU	
	IT	
	LV	
	LT	
	MT	
	NL	
	PL	
	PT	
	SK	
	SL	
	SV	

<b>[H244]</b>	<b>Language</b>	<b>2.6 – Flammable liquids, Hazard Category 1</b>
	CS	
	DA	
	DE	
	EL	
	EN	Extremely flammable liquid and vapour .
	ES	Líquido y vapores extremadamente inflamables.

	ET	
	FI	
	FR	Liquide et vapeurs extrêmement inflammables.
	HU	
	IT	
	LV	
	LT	
	MT	
	NL	
	PL	
	PT	
	SK	
	SL	
	SV	

<b>[H245]</b>	<b>Language</b>	<b>2.6 – Flammable liquids, Hazard Category 2</b>
	CS	
	DA	
	DE	
	EL	

	EN	Highly flammable liquid and vapour .
	ES	Líquido y vapores muy inflamables.
	ET	
	FI	
	FR	Liquide et vapeurs très inflammables.
	HU	
	IT	
	LV	
	LT	
	MT	
	NL	
	PL	
	PT	
	SK	
	SL	
	SV	

<b>[H246]</b>	<b>Language</b>	<b>2.6 – Flammable liquids, Hazard Category 3</b>
	CS	
	DA	

	DE	
	EL	
	EN	Flammable liquid and vapour.
	ES	Líquido y vapores inflamables.
	ET	
	FI	
	FR	Liquide et vapeurs inflammables.
	HU	
	IT	
	LV	
	LT	
	MT	
	NL	
	PL	
	PT	
	SK	
	SL	
	SV	

[H247]	Language	2.6 – Flammable liquids, Hazard Category 4
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	CS	
	DA	
	DE	
	EL	
	EN	Combustible liquid.
	ES	Líquido combustible.
	ET	
	FI	
	FR	Liquide combustible.
	HU	
	IT	
	LV	
	LT	
	MT	
	NL	
	PL	
	PT	
	SK	
	SL	
	SV	

[H248]	Language	2.7 – Flammable solids, Hazard Category 1, 2
	CS	
	DA	
	DE	
	EL	
	EN	Flammable solid.
	ES	Sólido inflamable.
	ET	
	FI	
	FR	Matière solide inflammable.
	HU	
	IT	
	LV	
	LT	
	MT	
	NL	
	PL	
	PT	
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[H260]	Language	2.5 - Gases under pressure: Compressed gas Liquefied gas Dissolved gas
	CS	
	DA	
	DE	
	EL	
	EN	Contains gas under pressure; may explode if heated .
	ES	Contiene gas a presión; puede explotar si se calienta.
	ET	
	FI	
	FR	Contient un gaz sous pression; peut exploser sous l'effet de la chaleur.
	HU	
	IT	
	LV	
	LT	
	MT	
	NL	
	PL	



	PT	
	SK	
	SL	
	SV	

[H261]	Language	2.5 – Gases under pressure: Refrigerated liquefied gas
	CS	
	DA	
	DE	
	EL	
	EN	Contains refrigerated gas; may cause cryogenic burns or injury .
	ES	Contiene un gas refrigerado; puede provocar quemaduras lesiones criogénicas.
	ET	
	FI	
	FR	Contient un gaz réfrigéré; peut causer des brûlures ou blessures cryogéniques.
	HU	
	IT	
	LV	
	LT	

	MT	
	NL	
	PL	
	PT	
	SK	
	SL	
	SV	

<b>[H262]</b>	<b>Language</b>	<b>2.16 - Corrosive to metals, Hazard Category 1</b>
	CS	
	DA	
	DE	
	EL	
	EN	May be corrosive to metals.
	ES	Puede ser corrosiva para los metales.
	ET	
	FI	
	FR	Peut être corrosif pour les métaux.
	HU	
	IT	

	LV	
	LT	
	MT	
	NL	
	PL	
	PT	
	SK	
	SL	
	SV	

**Table A2.2.3  
Health hazards**

<b>[H301]</b>	<b>Language</b>	<b>3.1 - Acute toxicity (oral), Hazard category 1, 2</b>
	CS	
	DA	
	DE	
	EL	
	EN	Fatal if swallowed.
	ES	Mortal en caso de ingestión.
	ET	
	FI	

	FR	Mortel en cas d'ingestion.
	HU	
	IT	
	LV	
	LT	
	MT	
	NL	
	PL	
	PT	
	SK	
	SL	
	SV	

<b>[H302]</b>	<b>Language</b>	<b>3.1 - Acute toxicity (oral), Hazard category 3</b>
	CS	
	DA	
	DE	
	EL	
	EN	Toxic if swallowed.
	ES	Tóxico en caso de ingestión.

	ET	
	FI	
	FR	Toxique en cas d'ingestion.
	HU	
	IT	
	LV	
	LT	
	MT	
	NL	
	PL	
	PT	
	SK	
	SL	
	SV	

<b>[H303]</b>	<b>Language</b>	<b>3.1 - Acute toxicity (oral), Hazard category 4</b>
	CS	
	DA	
	DE	
	EL	

	EN	Harmful if swallowed.
	ES	Nocivo en caso de ingestión.
	ET	
	FI	
	FR	Nocif en cas d'ingestion.
	HU	
	IT	
	LV	
	LT	
	MT	
	NL	
	PL	
	PT	
	SK	
	SL	
	SV	

<b>[H304]</b>	<b>Language</b>	<b>3.1 - Acute toxicity (oral), Hazard category 5</b>
	CS	
	DA	

	DE	
	EL	
	EN	May be harmful if swallowed.
	ES	Puede ser nocivo en caso de ingestión.
	ET	
	FI	
	FR	Peut être nocif en cas d'ingestion.
	HU	
	IT	
	LV	
	LT	
	MT	
	NL	
	PL	
	PT	
	SK	
	SL	
	SV	

<b>[H310]</b>	<b>Language</b>	<b>3.1 - Acute toxicity (dermal), Hazard category 1, 2</b>
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	CS	
	DA	
	DE	
	EL	
	EN	Fatal in contact with skin.
	ES	Mortal en contacto con la piel.
	ET	
	FI	
	FR	Mortel par contact cutané.
	HU	
	IT	
	LV	
	LT	
	MT	
	NL	
	PL	
	PT	
	SK	
	SL	
	SV	



[H311]	Language	3.1 - Acute toxicity (dermal), Hazard category 3
	CS	
	DA	
	DE	
	EL	
	EN	Toxic in contact with skin.
	ES	Tóxico en contacto con la piel.
	ET	
	FR	Toxique par contact cutané.
	HU	
	FI	
	IT	
	LV	
	LT	
	MT	
	NL	
	PL	
	PT	
	SK	
	SL	

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[H312]	Language	3.1 - Acute toxicity (dermal), Hazard category 4
	CS	
	DA	
	DE	
	EL	
	EN	Harmful in contact with skin.
	ES	Nocivo en contacto con la piel.
	ET	
	FI	
	FR	Nocif par contact cutané.
	HU	
	IT	
	LV	
	LT	
	MT	
	NL	
	PL	
	PT	

	SK	
	SL	
	SV	

[H313]	Language	3.1 - Acute toxicity (dermal), Hazard category 5
	CS	
	DA	
	DE	
	EL	
	EN	May be harmful in contact with skin.
	ES	Puede ser nocivo en contacto con la piel.
	ET	
	FI	
	FR	Peut être nocif par contact cutané.
	HU	
	IT	
	LV	
	LT	
	MT	
	NL	

	PL	
	PT	
	SK	
	SL	
	SV	

[H314]	Language	3.2 - Skin corrosion/irritation, Hazard category 1A, 1B, 1C
	CS	
	DA	
	DE	
	EL	
	EN	Causes severe skin burns and eye damage.
	ES	Provoca graves quemaduras en la piel y lesiones oculares.
	ET	
	FI	
	FR	Provoque des brûlures de la peau et des lésions oculaires graves.
	HU	
	IT	
	LV	
	LT	

	MT	
	NL	
	PL	
	PT	
	SK	
	SL	
	SV	

<b>[H315]</b>	<b>Language</b>	<b>3.2 - Skin corrosion/irritation, Hazard category 2</b>
	CS	
	DA	
	DE	
	EL	
	EN	Causes skin irritation.
	ES	Provoca irritación cutánea.
	ET	
	FI	
	FR	Provoque une irritation cutanée.
	HU	
	IT	

	LV	
	LT	
	MT	
	NL	
	PL	
	PT	
	SK	
	SL	
	SV	

<b>[H316]</b>	<b>Language</b>	<b>3.2 - Skin corrosion/irritation, Hazard category 3</b>
	CS	
	DA	
	DE	
	EL	
	EN	Causes mild skin irritation.
	ES	Provoca una leve irritación cutánea.
	ET	
	FI	
	FR	Provoque une légère irritation cutanée.

	HU	
	IT	
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<b>[H317]</b>	<b>Language</b>	<b>3.3 - Serious eye damage/eye irritation, Hazard category 1</b>
	CS	
	DA	
	DE	
	EL	
	EN	Causes serious eye damage.
	ES	Provoca lesiones oculares graves.
	ET	

	FI	
	FR	Provoque des lésions oculaires graves.
	HU	
	IT	
	LV	
	LT	
	MT	
	NL	
	PL	
	PT	
	SK	
	SL	
	SV	

<b>[H318]</b>	<b>Language</b>	<b>3.3 - Serious eye damage/eye irritation, Hazard category 2A</b>
	CS	
	DA	
	DE	
	EL	
	EN	Causes serious eye irritation.



	ES	Provoca irritación ocular grave.
	ET	
	FI	
	FR	Provoque une sévère irritation des yeux.
	HU	
	IT	
	LV	
	LT	
	MT	
	NL	
	PL	
	PT	
	SK	
	SL	
	SV	

<b>[H319]</b>	<b>Language</b>	<b>3.3 - Serious eye damage/eye irritation, Hazard category 2B</b>
	CS	
	DA	
	DE	

	EL	
	EN	Causes eye irritation.
	ES	Provoca irritación ocular.
	ET	
	FI	
	FR	Provoque une irritation des yeux.
	HU	
	IT	
	LV	
	LT	
	MT	
	NL	
	PL	
	PT	
	SK	
	SL	
	SV	

<b>[H320]</b>	<b>Language</b>	<b>3.4 - Sensitisation – Skin, Hazard category 1</b>
	CS	

	DA	
	DE	
	EL	
	EN	May cause an allergic skin reaction.
	ES	Puede provocar una reacción cutánea alérgica.
	ET	
	FI	
	FR	Peut provoquer une allergie cutanée.
	HU	
	IT	
	LV	
	LT	
	MT	
	NL	
	PL	
	PT	
	SK	
	SL	
	SV	

[H330]	Language	3.1 - Acute toxicity (inhal.), Hazard category 1, 2
	CS	
	DA	
	DE	
	EL	
	EN	Fatal if inhaled.
	ES	Mortal si se inhala.
	ET	
	FI	
	FR	Mortel par inhalation.
	HU	
	IT	
	LV	
	LT	
	MT	
	NL	
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[H331]	Language	3.1 - Acute toxicity (inhal.), Hazard category 3
	CS	
	DA	
	DE	
	EL	
	EN	Toxic if inhaled.
	ES	Tóxico si se inhala.
	ET	
	FI	
	FR	Toxique par inhalation.
	HU	
	IT	
	LV	
	LT	
	MT	
	NL	
	PL	
	PT	

	SK	
	SL	
	SV	

[H332]	Language	3.1 - Acute toxicity (inhal.), Hazard category 4
	CS	
	DA	
	DE	
	EL	
	EN	Harmful if inhaled.
	ES	Nocivo si se inhala.
	ET	
	FI	
	FR	Nocif par inhalation.
	HU	
	IT	
	LV	
	LT	
	MT	
	NL	

	PL	
	PT	
	SK	
	SL	
	SV	

[H333]	Language	3.1 - Acute toxicity (inhal.), Hazard category 5
	CS	
	DA	
	DE	
	EL	
	EN	May be harmful if inhaled.
	ES	Puede ser nocivo si se inhala.
	ET	
	FI	
	FR	Peut être nocif par inhalation.
	HU	
	IT	
	LV	
	LT	

	MT	
	NL	
	PL	
	PT	
	SK	
	SL	
	SV	

<b>[H334]</b>	<b>Language</b>	<b>3.10 - Aspiration hazard, Hazard category 1</b>
	CS	
	DA	
	DE	
	EL	
	EN	May be fatal if swallowed and enters airways.
	ES	Puede ser mortal en caso de ingestión y de penetración en las vías respiratorias.
	ET	
	FI	
	FR	Peut être mortel en cas d'ingestion et de pénétration dans les voies respiratoires.
	HU	



	IT	
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<b>[H335]</b>	<b>Language</b>	<b>3.10 - Aspiration hazard, Hazard category 2</b>
	CS	
	DA	
	DE	
	EL	
	EN	May be harmful if swallowed and enters airways.
	ES	Puede ser nocivo en caso de ingestión y de penetración en las vías respiratorias.
	ET	
	FI	

	FR	Peut être nocif en cas d'ingestion et de pénétration dans les voies respiratoires.
	HU	
	IT	
	LV	
	LT	
	MT	
	NL	
	PL	
	PT	
	SK	
	SL	
	SV	

<b>[H336]</b>	<b>Language</b>	<b>3.8 - Specific target organ systemic toxicity – Single exposure, Hazard category 3, Respiratory tract Irritation</b>
	CS	
	DA	
	DE	
	EL	
	EN	May cause respiratory irritation.

	ES	Puede irritar las vías respiratorias.
	ET	
	FI	
	FR	Peut irriter les voies respiratoires.
	HU	
	IT	
	LV	
	LT	
	MT	
	NL	
	PL	
	PT	
	SK	
	SL	
	SV	

<b>[H337]</b>	<b>Language</b>	<b>3.8 - Specific target organ systemic toxicity – Single exposure, Hazard category 3, Narcosis</b>
	CS	
	DA	
	DE	

	EL	
	EN	May cause drowsiness or dizziness.
	ES	Puede provocar somnolencia y vértigo.
	ET	
	FI	
	FR	Peut provoquer somnolence et des vertiges.
	HU	
	IT	
	LV	
	LT	
	MT	
	NL	
	PL	
	PT	
	SK	
	SL	
	SV	

<b>[H338]</b>	<b>Language</b>	<b>3.4 - Sensitisation – Respirat., Hazard category 1</b>
	CS	

	DA	
	DE	
	EL	
	EN	May cause allergy or asthma symptoms or breathing difficulties if inhaled.
	ES	Puede provocar síntomas de alergia o asma o dificultades respiratorias si se inhala.
	ET	
	FI	
	FR	Peut provoquer des symptômes allergiques ou d'asthme ou des difficultés respiratoires par inhalation.
	HU	
	IT	
	LV	
	LT	
	MT	
	NL	
	PL	
	PT	
	SK	
	SL	
	SV	

[H350]	Language	3.5 - Germ cell mutagenicity, Hazard category 1A, 1B
	CS	
	DA	
	DE	
	EL	
	EN	May cause genetic defects <i>&lt;state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard&gt;</i> .
	ES	Puede provocar defectos genéticos <i>&lt;Indíquese la vía de exposición si se ha demostrado concluyentemente que ninguna otra vía es peligrosa&gt;</i> .
	ET	
	FI	
	FR	Peut induire des anomalies génétiques <i>&lt;indiquer la voie d'exposition s'il est formellement prouvé qu'aucune autre voie d'exposition ne conduit au même danger&gt;</i> .
	HU	
	IT	
	LV	
	LT	
	MT	
	NL	
	PL	

	PT	
	SK	
	SL	
	SV	

[H351]	Language	3.5 - Germ cell mutagenicity, Hazard category 2
	CS	
	DA	
	DE	
	EL	
	EN	Suspected of causing genetic defects <i>&lt;state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard&gt;</i> .
	ES	Susceptible de provocar defectos genéticos <i>&lt;Indíquese la vía de exposición si se ha demostrado concluyentemente que ninguna otra vía es peligrosa&gt;</i> .
	ET	
	FI	
	FR	Susceptible d'induire des anomalies génétiques <i>&lt;indiquer la voie d'exposition s'il est formellement prouvé u'aucune autre voie d'exposition ne conduit au même danger&gt;</i> .
	HU	
	IT	
	LV	

	LT	
	MT	
	NL	
	PL	
	PT	
	SK	
	SL	
	SV	

<b>[H352]</b>	<b>Language</b>	<b>3.6 - Carcinogenicity, Hazard category 1A, 1B</b>
	CS	
	DA	
	DE	
	EL	
	EN	May cause cancer <state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard> .
	ES	Puede provocar cáncer <indíquese la vía de exposición si se ha demostrado concluyentemente que ninguna otra vía es peligrosa> .
	ET	
	FI	



	FR	Peut provoquer le cancer <i>&lt;indiquer la voie d'exposition s'il est formellement prouvé qu'aucune autre voie d'exposition ne conduit au même danger&gt;</i> .
	HU	
	IT	
	LV	
	LT	
	MT	
	NL	
	PL	
	PT	
	SK	
	SL	
	SV	

[H353]	Language	3.6 - Carcinogenicity, Hazard category 2
	CS	
	DA	
	DE	
	EL	
	EN	Suspected of causing cancer <i>&lt;state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard&gt;</i> .

	ES	Susceptible de provocar cáncer <indíquese la vía de exposición si se se ha demostrado concluyentemente que ninguna otra vía es peligrosa>.
	ET	
	FI	
	FR	Susceptible de provoquer le cancer <indiquer la voie d'exposition s'il est formellement prouvé qu'aucune autre voie d'exposition ne conduit au même danger >.
	HU	
	IT	
	LV	
	LT	
	MT	
	NL	
	PL	
	PT	
	SK	
	SL	
	SV	

<b>[H354]</b>	<b>Language</b>	<b>3.7 - Reproductive toxicity, Hazard category 1A, 1B</b>
	CS	
	DA	

	DE	
	EL	
	EN	May damage fertility or the unborn child <i>&lt;state specific effect if known &gt; &lt;state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard&gt; .</i>
	ES	Puede perjudicar la fertilidad o dañar al feto <i>&lt;indíquese el efecto específico si se conoce&gt; &lt;indíquese la vía de exposición si se ha demostrado concluyentemente que ninguna otra vía es peligrosa&gt; .</i>
	ET	
	FI	
	FR	Peut nuire à la fertilité ou au fœtus <i>&lt;indiquer l'effet s'il est connu&gt; &lt;indiquer la voie d'exposition s'il est formellement prouvé qu'aucune autre voie d'exposition ne conduit au même danger&gt; .</i>
	HU	
	IT	
	LV	
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	PL	
	PT	
	SK	
	SL	

	SV	
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[H355]	Language	3.7 - Reproductive toxicity, Hazard category 2
	CS	
	DA	
	DE	
	EL	
	EN	Suspected of damaging fertility or the unborn child <i>&lt;state specific effect if known&gt; &lt;state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard&gt;</i> .
	ES	Susceptible de perjudicar la fertilidad o dañar al feto <i>&lt;indíquese el efecto específico si se conoce&gt; &lt;indíquese la vía de exposición si se ha demostrado concluyentemente que ninguna otra vía es peligrosa&gt;</i> .
	ET	
	FI	
	FR	Susceptible de nuire à la fertilité ou au fœtus <i>&lt;indiquer l'effet s'il est connu&gt; &lt;indiquer la voie d'exposition s'il est formellement prouvé u'aucune autre voie d'exposition ne conduit au même danger&gt;</i> .
	HU	
	IT	
	LV	
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	NL	
	PL	
	PT	
	SK	
	SL	
	SV	

<b>[H356]</b>	<b>Language</b>	<b>3.7 - Reproductive toxicity, Additional category, Effects on or via lactation</b>
	CS	
	DA	
	DE	
	EL	
	EN	May cause harm to breast -fed children.
	ES	Puede ser nocivo para los lactantes.
	ET	
	FI	
	FR	Peut être nocif pour les bébés nourris au lait maternel maternel.
	HU	
	IT	

	LV	
	LT	
	MT	
	NL	
	PL	
	PT	
	SK	
	SL	
	SV	

<b>[H360]</b>	<b>Language</b>	<b>3.8 - Specific target organ systemic toxicity – single exposure, Hazard category 1</b>
	CS	
	DA	
	DE	
	EL	
	EN	Causes damage to organs <i>&lt;or state all organs affected, if known&gt;</i> <i>&lt;state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard&gt;</i> .
	ES	Provoca daños en los órganos <i>&lt;o indíquense todos los órganos afectados, si se conocen&gt;</i> <i>&lt;indíquese la vía de exposición si se ha demostrado concluyentemente que ninguna otra vía es peligrosa&gt;</i> .
	ET	

	FI	
	FR	Risque avéré d'effets graves pour les organes <i>&lt;ou indiquer tous les organes affectés, s'ils sont connus&gt;</i> <i>&lt;indiquer la voie d'exposition s'il est formellement prouvé qu'aucune autre voie d'exposition ne conduit au même danger&gt;</i> .
	HU	
	IT	
	LV	
	LT	
	MT	
	NL	
	PL	
	PT	
	SK	
	SL	
	SV	

<b>[H361]</b>	<b>Language</b>	<b>3.8 - Specific target organ systemic toxicity – Single exposure, Hazard category 2</b>
	CS	
	DA	
	DE	
	EL	

	EN	May cause damage to organs <i>&lt;or state all organs affected, if known&gt; &lt;state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard&gt; .</i>
	ES	Puede provocar daños en los órganos <i>&lt;o indiquense todos los órganos afectados, si se conocen&gt; &lt;indíquese la vía de exposición si se ha demostrado concluyentemente que ninguna otra vía es peligrosa&gt; .</i>
	ET	
	FI	
	FR	Risque présumé d'effets graves pour les organes <i>&lt;ou indiquer tous les organes affectés, s'ils sont connus&gt; &lt;indiquer la voie d'exposition s'il est formellement prouvé qu'aucune autre voie d'exposition ne conduit au même danger&gt;</i>
	HU	
	IT	
	LV	
	LT	
	MT	
	NL	
	PL	
	PT	
	SK	
	SL	
	SV	



[H362]	Language	3.9 - Specific target organ systemic toxicity – Repeated exposure, Hazard category 1
	CS	
	DA	
	DE	
	EL	
	EN	Causes damage to organs <i>&lt;or state all organs affected, if known&gt;</i> through prolonged or repeated exposure <i>&lt;state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard&gt;</i> .
	ES	Provoca daños en los órganos <i>&lt;indíquense todos los órganos afectados, si se conocen&gt;</i> tras exposiciones prolongadas o repetidas <i>&lt;indíquese la vía de exposición si se ha demostrado concluyentemente que ninguna otra vía es peligrosa&gt;</i> .
	ET	
	FI	
	FR	Risque avéré d'effets graves pour les organes <i>&lt;indiquer tous les organes affectés, s'ils sont connus&gt;</i> à la suite d'expositions répétées ou d'une exposition prolongée <i>&lt;indiquer la voie d'exposition s'il est formellement prouvé qu'aucune autre voie d'exposition ne conduit au même danger&gt;</i> .
	HU	
	IT	
	LV	
	LT	
	MT	

	NL	
	PL	
	PT	
	SK	
	SL	
	SV	

[H363]	Language	3.9 - Specific target organ systemic toxicity – Repeated exposure, Hazard category 2
	CS	
	DA	
	DE	
	EL	
	EN	May cause damage to organs <i>&lt;or state all organs affected, if known&gt;</i> through prolonged or repeated exposure <i>&lt;state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard&gt;</i> .
	ES	Puede provocar daños en los órganos <i>&lt;indíquense todos los órganos afectados, si se conocen&gt;</i> tras exposiciones prolongadas o repetidas <i>&lt;indíquese la vía de exposición si se ha demostrado concluyentemente que ninguna otra vía es peligrosa&gt;</i> .
	ET	
	FI	

	FR	Risque présumé d'effets graves pour les organes <i>&lt;indiquer tous les organes affectés, s'ils sont connus&gt;</i> à la suite d'expositions répétées ou d'une exposition prolongée <i>&lt;indiquer la voie d'exposition s'il est formellement prouvé qu'aucune autre voie d'exposition ne conduit au même danger&gt;</i> .
	HU	
	IT	
	LV	
	LT	
	MT	
	NL	
	PL	
	PT	
	SK	
	SL	
	SV	

**Table A2.2.4  
Environmental hazards**

<b>[H401]</b>	<b>Language</b>	<b>4.1 - Hazardous to the aquatic environment – Acute Toxicity, Hazard category 1</b>
	CS	
	DA	
	DE	

	EL	
	EN	Very toxic to aquatic life.
	ES	Muy tóxico para los organismos acuáticos.
	ET	
	FI	
	FR	Très toxique pour les organismes aquatiques.
	HU	
	IT	
	LV	
	LT	
	MT	
	NL	
	PL	
	PT	
	SK	
	SL	
	SV	

<b>[H402]</b>	<b>Language</b>	<b>4.1 - Hazardous to the aquatic environment – Acute Toxicity, Hazard category 2</b>
	CS	

	DA	
	DE	
	EL	
	EN	Toxic to aquatic life.
	ES	Tóxico para los organismos acuáticos.
	ET	
	FI	
	FR	Toxique pour les organismes aquatiques.
	HU	
	IT	
	LV	
	LT	
	MT	
	NL	
	PL	
	PT	
	SK	
	SL	
	SV	

[H403]	Language	4.1 - Hazardous to the aquatic environment – Acute Toxicity, Hazard category 3
	CS	
	DA	
	DE	
	EL	
	EN	Harmful to aquatic life.
	ES	Nocivo para los organismos acuáticos.
	ET	
	FI	
	FR	Nocif pour les organismes aquatiques.
	HU	
	IT	
	LV	
	LT	
	MT	
	NL	
	PL	
	PT	
	SK	
	SL	

	SV	
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[H404]	Language	4.1 - Hazardous to the aquatic environment – Chronic Toxicity, Hazard category 1
	CS	
	DA	
	DE	
	EL	
	EN	Very toxic to aquatic life with long lasting effects.
	ES	Muy tóxico para los organismos acuáticos, con efectos nocivos duraderos.
	ET	
	FI	
	FR	Très toxique pour les organismes aquatiques, entraîne des effets néfastes à long terme.
	HU	
	IT	
	LV	
	LT	
	MT	
	NL	
	PL	

	PT	
	SK	
	SL	
	SV	

<b>[H405]</b>	<b>Language</b>	<b>4.1 - Hazardous to the aquatic environment - Chronic Toxicity, Hazard category 2</b>
	CS	
	DA	
	DE	
	EL	
	EN	Toxic to aquatic life with long lasting effects.
	ES	Tóxico para los organismos acuáticos, con efectos nocivos duraderos.
	ET	
	FI	
	FR	Toxique pour les organismes aquatiques, entraîne des effets néfastes à long terme.
	HU	
	IT	
	LV	
	LT	



	MT	
	NL	
	PL	
	PT	
	SK	
	SL	
	SV	

<b>[H406]</b>	<b>Language</b>	<b>4.1 - Hazardous to the aquatic environment – Chronic Toxicity, Hazard category 3</b>
	CS	
	DA	
	DE	
	EL	
	EN	Harmful to aquatic life with long lasting effects.
	ES	Nocivo para los organismos acuáticos, con efectos nocivos duraderos.
	ET	
	FI	
	FR	Nocif pour les organismes aquatiques, entraîne des effets néfastes à long terme.
	HU	

	IT	
	LV	
	LT	
	MT	
	NL	
	PL	
	PT	
	SK	
	SL	
	SV	

<b>[H407]</b>	<b>Language</b>	<b>4.1 - Hazardous to the aquatic environment – Chronic Toxicity, Hazard category 4</b>
	CS	
	DA	
	DE	
	EL	
	EN	May cause long lasting harmful effects to aquatic life.
	ES	Puede ser nocivo para los organismos acuáticos, con efectos nocivos duraderos.
	ET	

	FI	
	FR	Peut être nocif à long terme pour les organismes aquatiques.
	HU	
	IT	
	LV	
	LT	
	MT	
	NL	
	PL	
	PT	
	SK	
	SL	
	SV	

## 2. PART 2: SUPPLEMENTARY HAZARD INFORMATION

**Table 2.1**  
**Physical properties**

<b>R1</b>	<b>Language</b>	
	CS	Výbušný v suchém stavu.
	DA	Eksplosiv i tør tilstand.
	DE	In trockenem Zustand explosionsgefährlich.

	EL	
	EN	Explosive when dry.
	ES	Explosivo en estado seco.
	ET	Plahvatusohtlik kuivana.
	FI	Räjätävää kuivana.
	FR	Explosif à l'état sec.
	HU	Száraz állapotban robbanásveszélyes.
	IT	Esplosivo allo stato secco.
	LV	Spr•dzienb•stams saus• veid•.
	LT	Sausa gali sprogti
	MT	Jisplodi meta jinxef.
	NL	In droge toestand ontplofbaar.
	PL	Produkt wybuchowy w stanie suchym.
	PT	Explosivo no estado seco
	SK	V suchom stave výbušný.
	SL	Eksplzivno v suhem stanju.
	SV	Explosivt i torrt tillstånd.

<b>[R5]</b>	<b>Language</b>	
	CS	Zah•ívání m•že zp•sobit výbuch.

	DA	Eksplussionsfarlig ved opvarmning.
	DE	Beim Erwärmen explosionsfähig.
	EL	
	EN	Heating may cause an explosion.
	ES	Peligro de explosión en caso de calentamiento.
	ET	Kuumenemine võib põhjustada plahvatuse.
	FI	Räjähdyksvaarallinen kuumennettaessa.
	FR	Danger d'explosion sous l'action de la chaleur.
	HU	H• hatására robbanhat.
	IT	Pericolo di esplosione per riscaldamento.
	LV	Kars•šana var izrais•t eksploziju.
	LT	Kaitinama gali sprogti.
	MT	Jista' jisplodi bis-s•ana.
	NL	Ontploffingsgevaar door verwarming.
	PL	Ogrzanie grozi wybuchem.
	PT	Perigo de explosão sob a acção do calor.
	SK	Zahriatie môže spôsobiť výbuch.
	SL	Segrevanje lahko povzro•i eksplozijo.
	SV	Explosivt vid uppvärmning.]

<b>R14</b>	<b>Language</b>	
	CS	Prudce reaguje s vodou.
	DA	Reagerer voldsomt med vand.
	DE	Reagiert heftig mit Wasser.
	EL	
	EN	Reacts violently with water.
	ES	Reacciona violentamente con el agua.
	ET	Reageerib ägedalt veega.
	FI	Reagoi voimakkaasti veden kanssa.
	FR	Réagit violemment au contact de l'eau.
	HU	Vízzel hevesen reagál.
	IT	Reagisce violentemente con l'acqua.
	LV	Akt•vi reag• ar •deni.
	LT	Smarkiai reaguoja su vandeniu.
	MT	Jirrea•ixxi bil-qawwa meta jmiss l-ilma.
	NL	Reageert heftig met water.
	PL	Reaguje gwałtownie z wodą.
	PT	Reage violentamente em contacto com a água.
	SK	Prudko reaguje s vodou.
	SL	Burno reagira z vodo.

	SV	Reagerar häftigt med vatten.
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<b>R18</b>	<b>Language</b>	
	CS	Při používání může vytvářet hořlavé nebo výbušné směsi par se vzduchem.
	DA	Ved brug kan brandbare dampe/eksplosive damp -luftblandinger dannes.
	DE	Bei Gebrauch Bildung explosionsfähiger/leichtentzündlicher Dampf/Luft-Gemische möglich.
	EL	-•••••.
	EN	In use may form flammable/explosive vapour -air mixture.
	ES	Al usarlo pueden formarse mezclas aire -vapor explosivas/inflamables.
	ET	Kasutamisel võib moodustuda tule -/plahvatusohtlik auru -õhu segu.
	FI	Käytössä voi muodostua syttyvä/räjähtävä höyry -ilmaseos.
	FR	Lors de l'utilisation, formation possible de mélange vapeur -air inflammable/explosif.
	HU	A használat során robbanásveszélyes/tűveszélyes gáz -levegőelegy keletkezhet.
	IT	Durante l'uso può formare con aria miscela esplosive/infiammabili.
	LV	Izmantojot var veidot uzliesmojošu vai sprādzienbīstamu tvaiku un gaisa maisījumu.
	LT	Naudojama gali sudaryti degius (sprogius) garų (oro) mišinius.

	MT	Meta jintu•a jista' jiffirma ta•litiet esplussivi jew li jaqbd u jekk jit•allat ma' l-arja.
	NL	Kan bij gebruik een ontvlambaar/ontplofbaar damp -luchtmengsel vormen.
	PL	Podczas stosowania mog• powstawa• •atwopalne lub wybuchowe mieszaniny par z powietrzem.
	PT	Pode formar mistura vapor -ar explosiva/inflamável durante a utilização.
	SK	Pri použití môže vytvárat' horl'ové/výbušné zmesi pár so vzduchom.
	SL	Pri uporabi lahko tvori vnetljivo/eksplozivno zmes hlapi -zrak.
	SV	Vid användning kan brännbara/explosiva å ng-luftblandningar bildas.

<b>R19</b>	<b>Language</b>	
	CS	M•že vytvá•et výbušné peroxidy.
	DA	Kan danne eksplosive peroxider.
	DE	Kann explosionsfähige Peroxide bilden.
	EL	
	EN	May form explosive peroxides.
	ES	Puede formar peróxidos explosivos.
	ET	Võib moodustada plahvatusohtlikke peroksiide.
	FI	Saattaa muodostaa räjähtäviä peroksideja.
	FR	Peut former des peroxydes explosifs.



	HU	Robbanásveszélyes peroxidokat képezhet.
	IT	Può formare perossidi esplosivi.
	LV	Var veidot spr•dzienb•stamus peroks•dus.
	LT	Gali sudaryti sprogstamuosius peroksidus.
	MT	Jista' jiforma perossidi esplussivi.
	NL	Kan ontplofbare peroxiden vormen.
	PL	Mo•e tworzy• wybuchowe nadtlenki.
	PT	Pode formar peróxidos explosivos.
	SK	Môže vytvárat' výbušné peroxidy.
	SL	Lahko tvori eksplozivne perokside.
	SV	Kan bilda explosiva peroxider.

<b>R30</b>	<b>Language</b>	
	CS	P•i používání se m•že stát vysoce ho•lavým.
	DA	Kan blive meget brandfarlig under brug.
	DE	Kann bei Gebrauch leicht entzündlich werden.
	EL	
	EN	Can become highly flammable in use.
	ES	Puede inflamarse fácilmente al usarlo.
	ET	Kasutamisel võib muutuda väga tuleohtlikuks.

	FI	Käytettäessä voi muuttua helposti syttyväksi.
	FR	Peut devenir facilement inflammable pendant l'utilisation.
	HU	A használat során t•zveszélyessé válik.
	IT	Può divenire facilmente infiammabile durante l'uso.
	LT	Naudojama gali tapti labai degi.
	LV	Var viegli uzliesmot lietošanas laikā.
	MT	Jista' jaqbad malajr waqt li jintu•a.
	NL	Kan bij gebruik licht ontvlambaar worden.
	PL	Podczas stosowania mo•e sta• si• wysoce •atwopalny.
	PT	Pode tornar-se facilmente inflamável durante o uso.
	SK	Pri použití sa môže stať veľmi horľavým.
	SL	Med uporabo utegne postati „lahko vnetljivo“.
	SV	Kan bli mycket brandfarlig vid användning.

<b>R44</b>	<b>Language</b>	
	CS	Nebezpečí výbuchu při zahřátí v uzavřeném obalu.
	DA	Eksplodingsfarlig ved opvarmning under indeslutning.
	DE	Explosionsgefahr bei Erhitzen unter Einschluss.
	EL	
	EN	Risk of explosion if heated under confinement.

	ES	Riesgo de explosión al calentarlo en ambiente confinado.
	ET	Plahvatusohtlik kuumutamisel kinnises mahutis.
	FI	Räjähdyksvaara kuumennettaessa suljetu ssa astiassa.
	FR	Risque d'explosion si chauffé en ambiance confinée.
	HU	Zárt térben h• hatására robbanhat.
	IT	Rischio di esplosione per riscaldamento in ambiente confinato.
	LV	Spr•dziena draudi, kars•jot sl•gt• vid•.
	LT	Gali sprogti, jei kaitinam a sandariai uždaryta.
	MT	Riskju ta' splu•joni jekk jissa••an fil -mag•luq.
	NL	Ontploffingsgevaar bij verwarming in afgesloten toestand.
	PL	Zagro•enie wybuchem po ogrzaniu w zamkni•tym pojemniku.
	PT	Risco de explosão se aquecido em ambiente fechado.
	SK	Riziko výbuchu pri zahrievaní v uzavretom priestore.
	SL	Nevarnost eksplozije ob segrevanju v zaprtem prostoru.
	SV	Explosionsrisk vid uppvärmning i sluten behållare.

**Table 2.2**  
**Health properties**

<b>R29</b>	<b>Language</b>	
	CS	Uvol•uje toxický plyn p•i styku s vodou.
	DA	Udvikler giftig gas ved kontakt med vand.

	DE	Entwickelt bei Berührung mit Wasser giftige Gase.
	EL	
	EN	Contact with water liberates toxic gas.
	ES	En contacto con agua libera gases tóxicos.
	ET	Kokkupuutel veega eraldub mürgine gaas.
	FI	Kehittää myrkyllistä kaasua veden kanssa.
	FR	Au contact de l'eau, dégage des gaz toxiques.
	HU	Vízzel érintkezve mérgez• gázok képz•dnek.
	IT	A contatto con l'acqua libera gas tossici.
	LV	Saskaroties ar •deni, izdala toksiskas g•zes.
	LT	Reaguodama su vandeniu, išskiria toksiškas dujas.
	MT	Jitfa' gass tossiku meta jmiss l-ilma.
	NL	Vormt vergiftig gas in contact met water.
	PL	W kontakcie z wod• uwalnia toksyczne gazy.
	PT	Em contacto com a água liberta gases tóxicos.
	SK	Pri kontakte s vodou uvol'•uje jedovatý plyn.
	SL	V stiku z vodo se sproš•a strupen plin.
	SV	Utvecklar giftig gas vid kontakt med vatten.

<b>R31</b>	<b>Language</b>	
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	CS	Uvol•uje toxický plyn p•i styku s kyselinami.
	DA	Udvikler giftig gas ved kontakt med syre.
	DE	Entwickelt bei Berührung mit Säure giftige Gase.
	EL	
	EN	Contact with acids liberates toxic gas.
	ES	En contacto con ácidos libera gases tóxicos.
	ET	Kokkupuutel hapetega er aldub mürgine gaas.
	FI	Kehittää myrkyllistä kaasua hapon kanssa.
	FR	Au contact d'un acide, dégage un gaz toxique.
	HU	Savval érintkezve mérgez• gázok képz•dnek.
	IT	A contatto con acidi libera gas tossico.
	LV	Saskaroties ar sk•b•m, izdala toksiskas g•zes.
	LT	Reaguodama su r•gštimis, išskiria toksiškas dujas.
	MT	Jitfa' gass tossiku meta jmiss l-a•idi.
	NL	Vormt vergiftige gassen in contact met zuren.
	PL	W kontakcie z kwasami uwalnia toksyczne gazy.
	PT	Em contacto com ácidos liberta gases tóxicos.
	SK	Pri kontakte s kyselinami uvol'•uje jedovatý plyn.
	SL	V stiku s kislinami se sproš•a strupen plin.
	SV	Utvecklar giftig gas vid kontakt med syra.

<b>R32</b>	<b>Language</b>	
	CS	Uvolňuje vysoce toxický plyn při styku s kyselinami.
	DA	Udvikler meget giftig gas ved kontakt med syre.
	DE	Entwickelt bei Berührung mit Säure sehr giftige Gase.
	EL	
	EN	Contact with acids liberates very toxic gas.
	ES	En contacto con ácidos libera gases muy tóxicos.
	ET	Kokkupuutel hapetega eraldub väga mürgine gaas.
	FI	Kehittää erittäin myrkyllistä kaasua hapon kanssa.
	FR	Au contact d'un acide, dégage un gaz très toxique.
	HU	Savval érintkezve nagyon mérgező gázok képződnek.
	IT	A contatto con acidi libera gas molto tossico.
	LV	Saskaroties ar skābēm, izdala ļoti toksiskas gāzes.
	LT	Reaguodama su rūgštimis, išskiria labai toksiškas dujas.
	MT	Jitfa' gass tossiku •afna meta jmiss l-a•idi.
	NL	Vormt zeer vergiftige gassen in contact met zuren.
	PL	W kontakcie z kwasami uwalnia bardzo toksyczne gazy.
	PT	Em contacto com ácidos liberta gases muito tóxicos.
	SK	Pri kontakte s kyselinami uvolňuje veľmi jedovatý plyn.
	SL	V stiku s kislinami se sprošča zelo strupen plin.

	SV	Utvecklar mycket giftig gas vid kontak t med syra.
--	----	--

R66	Language	
	CS	Opakovaná expozice m•že zp•sobit vysušení nebo popraskání k•že
	DA	Gentagen udsættelse kan give tør eller revnet hud.
	DE	Wiederholter Kontakt kann zu spröder oder rissiger Haut führen.
	EL	
	EN	Repeated exposure may cause skin dryness or cracking.
	ES	La exposición repetida puede provocar sequedad o formación de grietas en la piel.
	ET	Korduv toime võib põhjustada naha kuivust või lõhenemist
	FI	Toistuva altistus voi aiheuttaa ihon kuivumista tai halkeilua.
	FR	L'exposition répétée peut provoquer dessèchement ou gerçures de la peau.
	HU	Ismételt expozíció a b•r kizáradását vagy megrepedezését okozhatja
	IT	L'esposizione ripetuta può provocare secc hezza e screpolature della pelle.
	LV	Atk•rtota iedarb•ba var rad•t sausu •du vai izrais•t t•s spr•g•šanu
	LT	Pakartotinas poveikis gali sukelti odos dži•vim• arba skilin• - jim•
	MT	Espo•izzjoni ripetuta tista' tikka •una nxif jew qsim tal-•ilda

	NL	Herhaalde blootstelling kan een droge of een gebarsten huid veroorzaken.
	PL	Powtarzaj•ce si• nara•enie mo•e powodowa• wysuszenie lub p•kanie skóry
	PT	Pode provocar secura da pele ou fissuras, por exposição repetida.
	SK	Opakovaná expozícia môže spôsobiť vysušenie alebo popraskanie pokožky
	SL	Ponavljajo•a izpostavljenost lahko povzro•i nastanek suhe ali Razpokane kože
	SV	Upprepad kontakt kan ge torr hud eller hudsprickor.

[H...]	Language	
	CS	
	DA	
	DE	
	EL	
	EN	Corrosive to the respiratory tract
	ES	
	ET	
	FI	
	FR	
	HU	
	IT	



	LV	
	LT	
	MT	
	NL	
	PL	
	PT	
	SK	
	SL	
	SV	

**Table 2.3**  
**Environmental properties**

<b>R59</b>	<b>Language</b>	
	CS	
	DA	
	DE	
	EL	
	EN	Hazardous to the ozone layer.
	ES	
	ET	
	FI	

	FR	
	HU	
	IT	
	LV	
	LT	
	MT	
	NL	
	PL	
	PT	
	SK	
	SL	
	SV	

**3. PART 3: SUPPLEMENTAL LABEL ELEMENTS / INFORMATION OF CERTAIN SUBSTANCES OR MIXTURES**

[xyy]	Language	
	CS	
	DA	
	DE	
	EL	
	EN	To avoid risks to human health and the environment, comply with the instructions for use.

	ES	
	ET	
	FI	
	FR	
	HU	
	IT	
	LT	
	LV	
	MT	
	NL	
	PL	
	PT	
	SK	
	SL	
	SV	

[xyy]	Language	
	CS	
	DA	
	DE	

	EL	
	EN	Contains lead. Should not be used on surfaces liable to be chewed or sucked by children. Warning! Contains lead.
	ES	
	ET	
	FI	
	FR	
	HU	
	IT	
	LT	
	LV	
	MT	
	NL	
	PL	
	PT	
	SK	
	SL	
	SV	

[xyy]	<b>Language</b>	
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	CS	
	DA	
	DE	
	EL	
	EN	Cyanoacrylate. Danger. Bonds skin and eyes in seconds. Keep out of the reach of children.
	ES	
	ET	
	FI	
	FR	
	HU	
	IT	
	LT	
	LV	
	MT	
	NL	
	PL	
	PT	
	SK	
	SL	
	SV	

[xyy]	Language	
	CS	
	DA	
	DE	
	EL	
	EN	Contains chromium (VI). May produce an allergic reaction.
	ES	
	ET	
	FI	
	FR	
	HU	
	IT	
	LT	
	LV	
	MT	
	NL	
	PL	
	PT	
	SK	
	SL	

	SV	
--	----	--

[xyy]	Language	
	CS	
	DA	
	DE	
	EL	
	EN	Contains isocyanates. See information supplied by the manufacturer.
	ES	
	ET	
	FI	
	FR	
	HU	
	IT	
	LT	
	LV	
	MT	
	NL	
	PL	
	PT	

	SK	
	SL	
	SV	

[xyy]	Language	
	CS	
	DA	
	DE	
	EL	
	EN	Contains epoxy constituents. See information supplied by the manufacturer.
	ES	
	ET	
	FI	
	FR	
	HU	
	IT	
	LT	
	LV	
	MT	
	NL	



	PL	
	PT	
	SK	
	SL	
	SV	

[xyy]	Language	
	CS	
	DA	
	DE	
	EL	
	EN	Warning! Do not use together with other products. May release dangerous gases (chlorine).
	ES	
	ET	
	FI	
	FR	
	HU	
	IT	
	LT	
	LV	

	MT	
	NL	
	PL	
	PT	
	SK	
	SL	
	SV	

[xyy]	Language	
	CS	
	DA	
	DE	
	EL	
	EN	<p>Warning! Contains cadmium. Dangerous fumes are formed during use. See information supplied by the manufacturer. Comply with the safety instructions.</p> <p>Contains (name of sensitising substance). May produce an allergic reaction.</p>
	ES	
	ET	
	FI	
	FR	

	HU	
	IT	
	LT	
	LV	
	MT	
	NL	
	PL	
	PT	
	SK	
	SL	
	SV	

[xyy]	Language	
	CS	
	DA	
	DE	
	EL	
	EN	Can become highly flammable in use or can become flammable in use.
	ES	
	ET	

	FI	
	FR	
	HU	
	IT	
	LT	
	LV	
	MT	
	NL	
	PL	
	PT	
	SK	
	SL	
	SV	

**ANNEX IV**  
**List of Precautionary Statements**

**1. PART 1 PRECAUTIONARY STATEMENTS**

The precautionary statements to be used in labelling are to be taken from the annex and applied according to the advice in Annex 1, Part 6.

[Placeholder: The precautionary statements and a codification system can only be included at the stage when the ongoing work at the UN level has reached a stable stage, probably October 2006. However, an amendment might be needed to adapt to the final UN decision envisaged for December 2006. However, an example is provided below.

**Table 1.1**  
**Precautionary statements – General**

<b>[P102]</b>	<b>Language</b>	
	CS	
	DA	
	DE	
	EL	
	EN	Keep out of reach of children.
	ES	
	ET	
	FI	
	FR	
	HU	
	IT	

	LT	
	LV	
	MT	
	NL	
	PL	
	PT	
	SK	
	SL	
	SV	

**Table 1.2**  
**Precautionary statements – Prevention**

[xxxx]	Language	
	CS	
	DA	
	DE	
	EL	
	EN	
	ES	
	ET	
	FI	

	FR	
	HU	
	IT	
	LT	
	LV	
	MT	
	NL	
	PL	
	PT	
	SK	
	SL	
	SV	

**Table 1.3**  
**Precautionary statements – Respond**

<b>[xxxx]</b>	<b>Language</b>	
	CS	
	DA	
	DE	
	EL	
	EN	

	ES	
	ET	
	FI	
	FR	
	HU	
	IT	
	LT	
	LV	
	MT	
	NL	
	PL	
	PT	
	SK	
	SL	
	SV	

**Table 1.4**  
**Precautionary statements – Storage**

<b>[xxxx]</b>	<b>Language</b>	
	CS	
	DA	



	DE	
	EL	
	EN	
	ES	
	ET	
	FI	
	FR	
	HU	
	IT	
	LT	
	LV	
	MT	
	NL	
	PL	
	PT	
	SK	
	SL	
	SV	

## ANNEX V GHS Pictograms

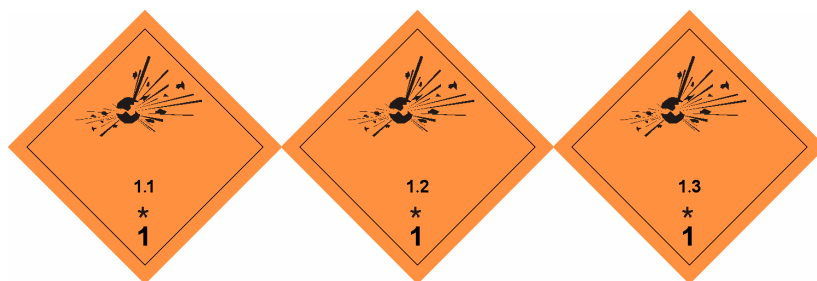
### INTRODUCTION

The pictograms for each Hazard Class and Hazard Category of the GHS shall satisfy the provisions of this section and conform, in terms of colour, symbols and general format, to the specimens shown. Pictograms shall be in the form of a square set at an angle of 45° (diamond shaped). Where pictograms are used to comply with the requirements of Transport Regulations, the provisions of the Transport Regulations shall take precedence.

### PHYSICAL HAZARDS

#### 1. EXPLOSIVES

Pictograms TDG 1.1, TDG 1.2, TDG1.3



Description:

- Symbol (exploding bomb): black; Background: orange;
- Figure '1' in bottom corner: black

Applicability:

- Explosives, Division 1.1, 1.2 and 1.3
- Self Reactive Substances and Mixtures, Type A
- Organic Peroxides, Type A

### Pictograms TDG 1.4, TDG 1.5, TDG 1.6



#### Description:

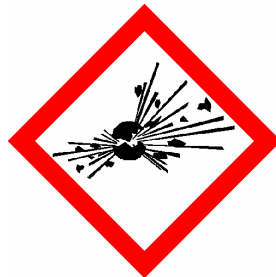
- Figures '1.4' or 1.5' or 1.6': Figures: black;
- Background: orange;
- Figure '1' in bottom corner: black

#### Applicability

- Explosives, Divisions 1.4, 1.5, 1.6

When used as a transport pictogram, numerals 1.4, 1.5 or 1.6 shall be about 30 mm in height and be about 5 mm thick (for a pictogram measuring 100 mm x 100 mm).

### Pictogram TDG 1



#### Description:

- Symbol (exploding bomb): black;
- Background: orange
- Figure '1' in bottom corner: black

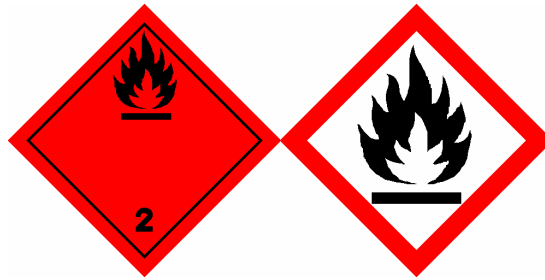
#### Applicability:

- Self Reactive Substances and Mixtures, Type B

- Organic Peroxides, Type B

## 2. FLAMMABLE GAS

Pictograms TDG 2.1



Description:

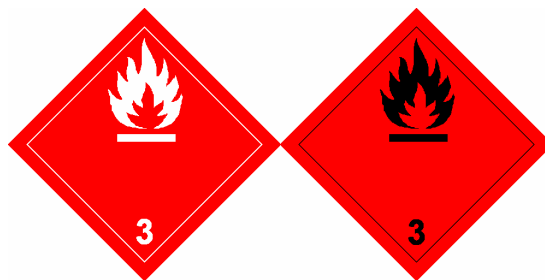
- Symbol (flame): black or white;
- Background: red;
- Figure '2' in bottom corner: black or white

Applicability

- Flammable Gases, Hazard Category 1
- Flammable Aerosols, Hazard Categories 1, 2

## 3. FLAMMABLE LIQUID

Pictogram TDG 3



Description:

- Symbol (flame): black or white;
- Background: red;

- Figure '3' in bottom corner: black or white

#### Applicability

- Flammable Liquids, Hazard Categories 1, 2, 3

Note: Pictogram TDG 3 not required if Pictogram TDG 5.2 is assigned

#### 4. FLAMMABLE SOLID

Pictogram TDG 4.1



#### Description:

- Symbol (flame): black;
- Background: white with seven vertical red stripes ;
- Figure '4' in bottom corner : black

#### Applicability

- Flammable Solids, Hazard Categories 1, 2
- Self-Reactive Substances and Mixtures, Types B, C, D, E, F

#### 5. PYROPHORIC AND SELF -HEATING SUBSTANCES

Pictogram TDG 4.2



Description:

- Symbol (flame): black;
- Background: upper half white; lower half red;
- Figure '4' in bottom corner : black

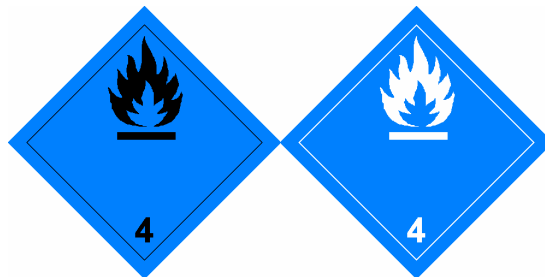
Applicable

- Pyrophoric Liquids, Hazard Category 1
- Pyrophoric Solids, Hazard Category 1
- Self-Heating Substances and Mixtures, Hazard Categories 1, 2

Note: Subsidiary risk pictogram TDG 4.1 not required if assigned (UN RTDG 5.2.2.1.3.1)

## 6. SUBSTANCES WHICH ,IN CONTACT WITH WATER, EMIT FLAMMABLE GASES

Pictogram TDG 4.3



Description:

- Symbol (flame): black or white;
- Background: blue;
- Figure '4' in bottom corner: black or white

Applicability

- Substances and Mixtures, which in contact with water, emit flammable Gases, Hazard Categories 1, 2, 3

## 7. OXIDISING SUBSTANCES

Pictogram TDG 5.1



Description:

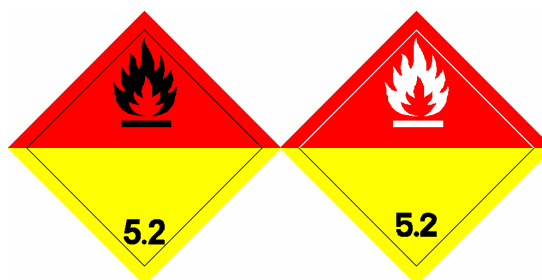
- Symbol (flame over circle): black;
- Background: yellow;
- Figures '5.1' in bottom corner : black

Applicability

- Oxidizing Gases, Hazard Category 1
- Oxidizing Liquids, Hazard Categories 1, 2, 3
- Oxidizing Solids, Hazards Categories 1, 2, 3

## 8. ORGANIC PEROXIDES

Pictogram TDG 5.2



Description:

- Symbol (flame): black or white;
- Background: upper half red; lower half yellow

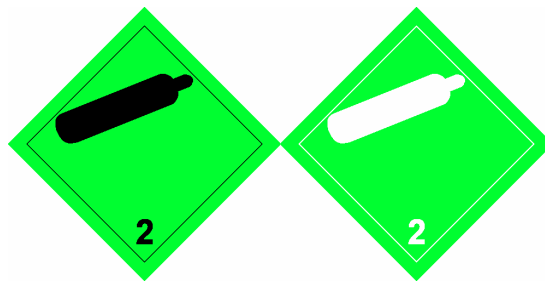
- Figures '5.2' in bottom corner: black

#### Applicability

- Organic Peroxides, Types B, C, D, E, F

### 9. GASES UNDER PRESSURE (NON FLAMMABLE, NON-TOXIC GASES)

Pictogram TDG 2.2



#### Description:

- Symbol (gas cylinder): black or white;
- Background: green;
- Figure '2' in bottom corner: black or white

#### Applicability

- Gases under Pressure: Compressed gases; liquefied gases; refrigerated liquefied gases; dissolved gases

Note: This pictogram is not required for toxic or flammable gases in the UN RTDG Model Regulations



## 10. ACUTE TOXICITY ORAL, SKIN, INHALATION (VAPOURS, DUSTS AND MISTS)

Pictogram TDG 6.1



### Description

- Symbol (skull and crossbones): black;
- Background: white;
- Figure '6' in bottom corner: black

### Applicability

- Acute toxicity (Oral), Hazard Categories 1, 2, 3
- Acute Toxicity (Dermal), Hazard Categories 1, 2, 3
- Acute Toxicity (Inhalation – Vapours, Dusts and Mists), Hazard Categories 1, 2, 3

## 11. ACUTE TOXICITY INHALATION - GASES

Pictogram TDG 2.3



### Description:

- Symbol (skull and crossbones): black;

- Background: white;
- Figure '2' in bottom corner: black;

#### Applicability

- Acute Toxicity (Inhalation – Gases), Hazard Categories 1, 2, 3

## 12. CORROSION

Pictogram TDG 8



#### Description:

- Symbol (corrosion): black;
- Background: upper half white; lower half black with white border;
- Figure '8' in bottom corner: black;

#### Applicability:

- Corrosive to Metals, Hazard Category 1
- Skin Corrosion, Hazard Categories 1A, 1B, 1C
- Severe Eye Damage, Hazard Category 1

### 13. HEALTH HAZARDS

Pictogram GHS07



#### Applicability

- Acute Toxicity (Oral, Dermal, Inhalation), Hazard Category 4
- Skin irritation, Hazard Category 2
- Eye irritation, Hazard Category 2A
- Skin Sensitisation, Hazard Category 1
- Specific Target Organ Systemic Toxicity – Single Exposure, Hazard Category 3
  - (i) Respiratory Tract Irritation
  - (ii) Narcosis,

### 14. SERIOUS HEALTH HAZARDS

Pictogram GHS08



#### Applicability

- Respiratory Sensitization, Hazard Category 1
- Germ Cell Mutagenicity, Hazard Categories 1A, 1B , 2

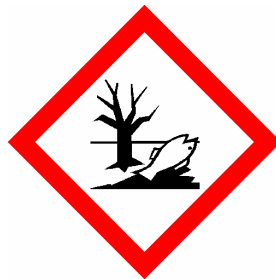
- Carcinogenicity, Hazard Categories 1A, 1B, 2
- Reproductive Toxicity, Hazard Categories 1A, 1B, 2
- Specific Target Organ Systemic Toxicity – Single Exposure, Hazard Categories 1, 2
- Specific Target Organ Systemic Toxicity – Repeated Exposure, Hazard Categories 1, 2
- Aspiration Hazard, Hazard Categories 1

Note: Pictograms are not required for:

- Eye irritation, Hazard Category 2B
- Reproductive Toxicity, Effects on or via Lactation, Additional Hazard Category

## 15. ENVIRONMENTAL – AQUATIC TOXICITY

Pictogram GHS09



Applicability

- Hazardous to the Aquatic Environment – Acute Toxicity,
- Hazard Category 1
- Hazardous to the Aquatic Environment – Chronic Toxicity, Hazard Categories 1, 2

Pictograms are not required for:

- Hazardous to the Aquatic Environment – Chronic Toxicity, Hazard Categories 3, 4

## **ANNEX VI**

### **List of hazardous substances with harmonised Classification**

#### **1. PART 1: INTRODUCTION**

This Annex contains a list of Community harmonised classification of substances for a specific hazard class or part of a hazard class including the allocated hazard statements.

#### **2. PART 2: EXPLANATION OF THE NOTES RELATING TO THE IDENTIFICATION, CLASSIFICATION AND LABELLING OF SUBSTANCES.**

[Placeholder: Will be added in the Commission proposal.]

#### **3. PART 3: HARMONISED LIST OF HAZARDOUS SUBSTANCES**

[Placeholder: The list is intended to be added in the Commission proposal. As a start the list will include the substances which are in the current Annex I of Directive 67/548/EEC and which are classified for carcinogenicity, mutagenicity or reproductive toxicity and for respiratory sensitisation and other classes and categories where the criteria are equivalent.]

**ANNEX VII**  
**Conversion Tables for Classifications**  
**according to Directive 67/548/EEC to this Regulation**

**1. PART 1: INTRODUCTION**

**1.1. Scope and use of the conversion tables**

The following conversion shall be used to reclassify ab initio substances and mixtures classified according to Directive 67/548/EEC. The results shall be considered and may be used for the purpose of this Regulation. If the supplier decides not to use the results, he shall reclassify the substances or mixtures applying the criteria of this Regulation.

**2. PART 2: CONVERSION TABLE FOR PHYSICAL HAZARDS**

**3. PART 3: CONVERSION TABLE FOR HEALTH HAZARDS**

**4. PART 4: CONVERSION TABLE FOR ENVIRONMENTAL HAZARDS**

[Placeholder: The Part 2 to 4 is intended to be included in the Commission proposal.]

**ANNEX VIII**  
**Reference table and adaptation of references to GHS criteria**  
**according to Article 37 (2) (b)**

**1. PART 1: REFERENCE TABLE**

References to specific categories of danger and risk phrases according to Directive 67/548/EEC shall be read as references to specific hazard classes, parts of hazard classes and hazard categories in accordance with the reference table below and any adaptations in the table in part 2 of this Annex for specified Directives and Regulation, unless otherwise specified.

Additional GHS hazard classes and categories that were not included in Directive 67/548/EEC are included in italics for information purposes only.

EU category of danger / risk phrase according to Directive 67/548/EEC	GHS hazard classes and categories
<b>Physical hazards</b>	
Explosives (E), R2 and R3	§ Explosives, Division 1.1-1.6 § Explosives, unstable explosives
Oxidising (O), R7	§ Organic Peroxides, Type C-F
	<i>Organic Peroxides, Type G</i>
Oxidising (O), R8	§ Oxidising Gases, category 1 § Oxidising Liquids, category 1, 2 § Oxidising Solids, category 1, 2
	§ <i>Oxidising Liquids, category 3</i> § <i>Oxidising Solids, category 3</i>
Oxidising (O), R9	§ Oxidising Liquids, category 1 § Oxidising Solids, category 1
Extremely Flammable (F+), R12	§ Flammable Liquids, category 1 § Flammable Gases, category 1 § Self-Reactives, Type C-F (liquids)
	§ <i>Self-Reactives, Type C-F (liquids)</i>
Highly Flammable (F), R11	§ Flammable Liquids, category 2 § Flammable Solids, category 1 and 2
	§ <i>Self-Reactives, Type C-F (solids)</i>
Flammable, R10	§ Flammable Liquids, category 3

Highly Flammable (F), R15	§ S&M which, in contact with water, emit flammable gases, category 1, 2 and 3
Highly Flammable (F), R17	§ Pyrophoric Liquids § Pyrophoric Solids
	§ <i>Self-heating substances and mixtures, category 1 and 2</i>
Cf. Directive 75/324/EEC (to be revised)	§ Flammable Aerosols, category 1 and 2
	§ <i>Gases under Pressure</i>
	§ <i>Corrosive to Metals</i>
<b>Health hazards</b>	
Very Toxic (T+), R28	§ Acute Toxicity, category 1 (oral)
Toxic (T), R25	§ Acute Toxicity, category 2 and 3 (oral)
Harmful (Xn), R22	§ Acute Toxicity, category 4 (oral)
Very Toxic (T+), R27	§ Acute Toxicity, category 1 (dermal)
Toxic (T), R24	§ Acute Toxicity, category 2 (dermal)
Harmful (Xn), R21	§ Acute Toxicity, category 3 and 4 (dermal)
Very Toxic (T+), R26 (gases)	§ Acute Toxicity, category 1 (inhalation of gases)
Toxic (T), R23 (gases)	§ Acute Toxicity, category 2 (inhalation of gases)
Harmful (Xn), R20 (gases)	§ Acute Toxicity, category 3 and 4 (inhalation of gases)
Very Toxic (T+), R26 (vapours)	§ Acute Toxicity, category 1 (inhalation of vapours)
Toxic (T), R23 (vapours)	§ Acute Toxicity, category 2 (inhalation of vapours)
Harmful (Xn), R20 (vapours)	§ Acute Toxicity, category 3 and 4 (inhalation of vapours)
Very Toxic (T+), R26 (aerosols & particulates)	§ Acute Toxicity, category 1 (inhalation of dust / mist / fume)
Toxic (T), R23 (aerosols & particulates)	§ Acute Toxicity, category 2 or 3 (inhalation of dust / mist / fume)



Harmful (Xn), R20 (aerosols & particulates)	§ Acute Toxicity, category 4 (inhalation of dust / mist / fume)
Corrosive (C), R35	§ Skin corrosion / irritation, category 1A
Corrosive (C), R34	§ Skin corrosion / irritation, category 1B and 1C
Irritant (Xi), R38	§ Skin corrosion / irritation, category 2
Irritant (Xi), R41	§ Serious eye damage / eye irritation, category 1
Irritant (Xi), R36	§ Serious eye damage / eye irritation, category 2 (A / B)
Harmful (Xn), R42	§ Respiratory sensitisation, category 1
Irritant (Xi), R43	§ Skin sensitisation, category 1
Very Toxic (T+), R39/28	§ STOST (single exposure), category 1
Very Toxic (T+), R39/27	§ STOST (single exposure), category 1
Very Toxic (T+), R39/26 (gas, vapour)	§ STOST (single exposure), category 1
Very Toxic (T+), R39/26 (aerosols & particulates)	§ STOST (single exposure), category 1 (dust / mist / fume)
Toxic (T), R39/25	§ STOST (single exposure), category 1
Toxic (T), R39/24	§ STOST (single exposure), category 1
Toxic (T), R39/23 (gas, vapour)	§ STOST (single exposure), category 1
Toxic (T), R39/23 (aerosols & particulates)	§ STOST (single exposure), category 1 (dust / mist / fume)
Harmful (Xn), R68/22	§ STOST (single exposure), category 2
Harmful (Xn), R68/21	§ STOST (single exposure), category 2
Harmful (Xn), R68/20	§ STOST (single exposure), category 2
Irritant (Xi), R37	§ STOST (single exposure), category 3
<i>[R67 – R-phrase only as additional labelling requirement]</i>	§ <i>STOST (single exposure), category 3 (narcotic effects)</i>

Toxic (T), R48/25	§ STOST (repeated exposure), category 1
Toxic (T), R48/24	§ STOST (repeated exposure), category 1
Toxic (T), R48/23 (gas, vapour)	§ STOST (repeated exposure), category 1
Harmful (Xn), R48/22	§ STOST (repeated exposure), category 2
Harmful (Xn), R48/21	§ STOST (repeated exposure), category 2
Harmful (Xn), R48/20 (gas, vapour)	§ STOST (repeated exposure), category 2
Harmful (Xn), R65	§ Aspiration Hazard, category 1
Mutagen category 1 (T), R46	§ Germ Cell Mutagenicity, category 1A
Mutagen category 2 (T), R46	§ Germ Cell Mutagenicity, category 1B
Mutagen category 1 (Xn), R68	§ Germ Cell Mutagenicity, category 2
Carcinogen category 1 (T), R45 or R49	§ Carcinogenicity, category 1A
Carcinogen category 2 (T), R45 or R49	§ Carcinogenicity, category 1B
Carcinogen category 2 (Xn), R40	§ Carcinogenicity, category 2
Toxic to Reproduction category 1 (T), R60 or R61	§ Reproductive Toxicity, category 1A
Toxic to Reproduction category 2 (T), R60 or R61	§ Reproductive Toxicity, category 1B
Toxic to Reproduction category 3 (Xn), R62 or R63	§ Reproductive Toxicity, category 2
[R64 - <i>R-phrase only as additional labelling requirement</i> ]	§ <i>Reproductive toxicity, effects on or via lactation</i>
<b>Environmental hazards</b>	
(N), R50	§ Hazardous to the aquatic environment, acute I
(N), R50/53	§ Hazardous to the aquatic environment, chronic I

(N), R51/R3	§ Hazardous to the aquatic environment, chronic II
R52/53	§ Hazardous to the aquatic environment, chronic III
R53	§ Hazardous to the aquatic environment, chronic IV
R59	§ Criteria under development at UN level

## 2. PART 2: ADAPTATION OF REFERENCES TO GHS CRITERIA

References to specific hazard classes, parts of hazard classes and hazard categories of the GHS system in column 2 of the table in part 1 of this Annex shall be adapted in accordance with the table below for any specified Regulations and Directives.

The references to the EU system are included in the table below for information purposes only.

EU Legislation	Reference to EU System of Classification & Labelling	Adaptation of References to GHS Criteria according to column 2 of the table in part 1 of this Annex
<p>Regulation (EC) No 1980/2000 of the European Parliament and of the Council on a revised Community eco-label award scheme</p> <p>§ Commission Decision 2001/523/EC of 27 June 2001 establishing the ecological criteria for the award of the Community eco-label to all-purpose cleaners and cleaners for sanitary facilities</p> <p>§ Commission Decision 2001/607/EC of 19 July 2001 establishing the ecological criteria for the award of the Community eco-label to hand</p>	<p>§ R-phrases and categories of danger: R23, R24, R25, R26, R27, R28, R31, R39, R40, R42, R43, R45, R46, R48, R49, R60, R61, R62, R63, R64, R68, R50-53, R59</p>	<ul style="list-style-type: none"> <li>- <u>Acute Toxicity, category 2 and 3 (inhalation of dust / mist / fume):</u> Exempt from reference classified substances and mixtures in the range 0.05 • LC<sub>50</sub> • 0.25 mg/l/4h</li> <li>- <u>Acute Toxicity, category 2 (dermal):</u> Include in reference substances and mixtures classified in GHS category 3 up to LD<sub>50</sub> • 400 mg/kg bw</li> <li>- <u>Acute Toxicity, category 2 and 3 (oral):</u> Exempt from reference classified substances and mixtures in the ranges 5 • LD<sub>50</sub> • 25 mg/kg bw and 200 •</li> </ul>

<p>dishwashing detergents</p> <p>§ Commission Decision 2002/739/EC of 3 September 2002 establishing revised ecological criteria for the award of the Community eco-label to indoor paints and varnishes and amending Decision 1999/10/EC</p> <p>§ Commission Decision 2003/31/EC of 29 November 2002 establishing revised ecological criteria for the award of the Community eco-label to detergents for dishwashers and amending Decision 1999/427/EC</p> <p>§ Commission Decision 2003/200/EC of 14 February 2003 establishing revised ecological criteria for the award of the Community eco-label to laundry detergents and amending Decision 1999/476/EC</p>		<p>LD<sub>50</sub> • 300 mg/kg bw</p> <ul style="list-style-type: none"> <li>- <u>Acute Toxicity, category 1 (inhalation of dust / mist / fume)</u>: Include in reference substances and mixtures classified in GHS category 2 up to LC<sub>50</sub> • 0.25 mg/l/4h</li> <li>- <u>Acute Toxicity, category 1 (oral)</u>: Include in reference substances and mixtures classified in GHS category 2 up to LD<sub>50</sub> • 25 mg/kg bw</li> <li>- <u>STOST (single exposure), cat. 1 (oral)</u>: Exempt from reference classified substances with LD<sub>50</sub> • 25 mg/kg bw; do not take account of such substances in mixture classification</li> <li>- <u>STOST (single exposure), cat. 1 (dermal)</u>: Exempt from reference classified substances with LD<sub>50</sub> • 50 mg/kg bw; do not take account of such substances in mixture classification</li> <li>- <u>STOST (single exposure), cat. 1 (gas, vapour)</u>: Exempt from reference classified substances with LC<sub>50</sub> • 0.5 mg/l/4h; do not take account of such substances in mixture classification</li> <li>- <u>STOST (single exposure), cat. 1 (dust / mist / fume)</u>: Exempt from reference classified substances with LC<sub>50</sub> • 0.25 mg/l/4h; do not take account of such</li> </ul>
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		<p>substances in mixture classification</p> <ul style="list-style-type: none"> <li>- <u>STOST (repeated exposure), category 1 (oral)</u>: Exempt from reference classified substances with LD<sub>50</sub> • 5 mg/kg bw; do not take account of such substances in mixture classification</li> <li>- <u>STOST (repeated exposure), category 1 (dermal)</u>: Exempt from reference classified substances with LD<sub>50</sub> • 10 mg/kg bw; do not take account of such substances in mixture classification</li> <li>- <u>STOST (repeated exposure), category 1 (gas, vapour)</u>: Exempt from reference classified substances with LC<sub>50</sub> • 0.025 mg/l/6h/d; do not take account of such substances in mixture classification</li> <li>- <u>STOST (repeated exposure), category 2 (oral)</u>: Exempt from reference classified substances with LD<sub>50</sub> • 50 mg/kg bw; do not take account of such substances in mixture classification</li> <li>- <u>STOST (repeated exposure), category 2 (dermal)</u>: Exempt from reference classified substances with LD<sub>50</sub> • 100 mg/kg bw; do not take account of such substances in mixture classification</li> </ul>
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Council Directive 75/324/EEC of 20 May 1975 on the approximation of the laws of the Member States relating to aerosol dispensers	§ Reference to the categories of danger Extremely Flammable, Highly Flammable and Flammable as defined in Dir 67/548/EEC	- <u>Flammable Liquids, category 3</u> : Exempt from reference classified substances and mixtures with an upper flash point limit $> 55 \bullet C$
Directive 1998/8/EC of the European Parliament and of the Council of 16 February 1998 concerning the placing of biocidal products on the market	§ Classification and labelling acc. to Directives 67/548/EEC and 1999/45/EC § Reference to <i>CMR, Very Toxic, Toxic</i> and sensitising properties	<ul style="list-style-type: none"> <li>- <u>Acute Toxicity, category 1-3 (oral)</u>: Exempt from reference classified substances and mixtures in the range <math>200 \bullet LD_{50} \bullet 300 \text{ mg/kg bw}</math></li> <li>- <u>Acute Toxicity, category 1-2 (dermal)</u>: Include in reference substances and</li> </ul>

		<p>mixtures classified in GHS category 3 up to LD<sub>50</sub> • 400 mg/kg bw</p> <ul style="list-style-type: none"> <li>- <u>Reproductive Toxicity, cat. 1A and 1B</u>: Exempt from reference classified mixtures below 0.5% concentration of substances classified for this hazard</li> </ul>
<p>Council Directive 91/414/EEC concerning the placing of plant protection products on the market</p>	<p>§ Classification of active substances and PPP acc. to Dir 67/548/EEC and 1999/45/EC</p> <p>§ Reference to <i>Very Toxic</i></p> <p>§ Packaging and labelling of PPP acc. to Directive 1999/45/EC</p> <p>§ Testing of metabolites triggered by T+, T and CMR (non-binding Guidance Document)</p>	<ul style="list-style-type: none"> <li>- <u>Acute Toxicity, category 1 (oral)</u>: Include in reference substances and mixtures classified in GHS category 2 up to LD<sub>50</sub> • 25 mg/kg bw</li> <li>- <u>Acute Toxicity, category 1 (dust / mist / fume)</u>: Include in reference substances and mixtures classified in GHS category 2 up to LC<sub>50</sub> • 0.25 mg/l/4h</li> </ul>
<p>Council Directive 1996/82/EC of 9 December 1996 on the control of major-accident hazards involving dangerous substances, as amended by Directive 2003/105/EC of the European Parliament and of the Council of 16 December 2003</p>	<p>§ Annex I, Part 2: reference to numerous categories of danger and R-phrases as set out in Directive 67/548/EEC</p> <p>§ Reference to the „explosive“ categories of UN/ADR, as transposed by Directive 1994/55/EC</p>	<ul style="list-style-type: none"> <li>- <u>Acute Toxicity, category 2 and 3 (inhalation of dust / mist / fume)</u>: Exempt from reference classified substances and mixtures in the range 0.05 • LC<sub>50</sub> • 0.25 mg/l/4h</li> <li>- <u>Acute Toxicity, category 2 (dermal)</u>: Include in reference substances and mixtures classified in GHS category 3 up to LD<sub>50</sub> • 400 mg/kg bw</li> <li>- <u>Acute Toxicity, category 2 and 3 (oral)</u>: Exempt from reference classified substances and mixtures in the ranges 5 • LD<sub>50</sub> • 25 mg/kg bw and 200 • LD<sub>50</sub> • 300 mg/kg bw</li> <li>- <u>Acute Toxicity, category 1 (inhalation of dust /</u></li> </ul>

		<p><u>mist / fume</u>): Include in reference substances and mixtures classified in GHS category 2 up to LC<sub>50</sub> • 0.25 mg/l/4h</p> <ul style="list-style-type: none"> <li>- <u>Acute Toxicity, category 1 (oral)</u>: Include in reference substances and mixtures classified in GHS category 2 up to LD<sub>50</sub> • 25 mg/kg bw</li> <li>- <u>STOST (single exposure), cat. 1 (oral)</u>: Exempt from reference classified substances with LD<sub>50</sub> • 25 mg/kg bw; do not take account of such substances in mixture classification</li> <li>- <u>STOST (single exposure), cat. 1 (dermal)</u>: Exempt from reference classified substances with LD<sub>50</sub> • 50 mg/kg bw; do not take account of such substances in mixture classification</li> <li>- <u>STOST (single exposure), cat. 1 (gas, vapour)</u>: Exempt from reference classified substances with LC<sub>50</sub> • 0.5 mg/l/4h; do not take account of such substances in mixture classification</li> <li>- <u>STOST (single exposure), cat. 1 (dust / mist / fume)</u>: Exempt from reference classified substances with LC<sub>50</sub> • 0.25 mg/l/4h; do not take account of such substances in mixture classification</li> <li>- <u>STOST (repeated</u></li> </ul>
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		<p><u>exposure), cat. 1 (oral):</u> Exempt from reference classified substances with LD<sub>50</sub> • 5 mg/kg bw; do not take account of such substances in mixture classification</p> <ul style="list-style-type: none"> <li>- <u>STOST (repeated exposure), cat. 1 (dermal):</u> Exempt from reference classified substances with LD<sub>50</sub> • 10 mg/kg bw; do not take account of such substances in mixture classification</li> <li>- <u>STOST (repeated exposure), cat. 1 (gas, vapour):</u> Exempt from reference classified substances with LC<sub>50</sub> • 0.025 mg/l/6h/d; do not take account of such substances in mixture classification</li> <li>- <u>Explosives:</u> Include in reference substances and mixtures for which test series A.14 according to Dir 67/548/EEC gives a positive test result</li> <li>- <u>Flammable Liquids, category 3:</u> Exempt from reference classified substances and mixtures with an upper flash point limit &gt; 55°C</li> </ul>
<p>Regulation (EC) No 304/2003 of the European Parliament and of the Council of 28 January 2003 concerning the export and import of dangerous chemicals</p>	<p>§ Classification &amp; labelling acc. to Directives 67/548/EEC and 1999/45/EC</p> <p>§ Reference to the introduction of a new system of classification and labelling in the EU</p> <p>§ Reference to changes of</p>	<p>§ <b>Introduction of the fixed concentration limit 0.1% for mixtures containing substances from Annex I, Part 1, 2 and 3 to Regulation (EC) No 304/2003</b></p>

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Council Directive 1999/13/EC of 11 March 1999 on the limitation of emissions of volatile organic compounds due to the use of organic solvents in certain activities and installations	§ Reference to R40, R45, R46, R49, R60, R61	- <u>Reproductive Toxicity, cat. 1A and 1B</u> : Exempt from reference classified mixtures below 0.5% concentration of substances classified for this hazard
Council Directive 1994/33/EC of 22 June 1994 on the protection of young people at work	§ Reference to numerous categories of danger and R-phrases in the Annex: Very Toxic, Toxic, Corrosive, Irritant, Harmful, R39, R40, R42, R43, R45, R46, R48, R60, R61, R 12	- <u>Acute Toxicity, category 4 (oral)</u> : Include in reference substances and mixtures classified in GHS category 3 from LD <sub>50</sub> • 200 mg/kg bw - <u>Acute Toxicity, category 3 and 4 (dermal)</u> : Exempt from reference classified substances and mixtures in the range 200 • LD <sub>50</sub> • 400 mg/kg bw - <u>Acute Toxicity, category 2 and 3 (inhalation of dust / mist / fume)</u> : Exempt from reference classified substances and mixtures in the range 0.05 • LC <sub>50</sub> • 0.25 mg/l/4h - <u>Acute Toxicity, category 2 (dermal)</u> : Include in reference substances and mixtures classified in GHS category 3 up to LD <sub>50</sub> • 400 mg/kg bw - <u>Acute Toxicity, category 2 and 3 (oral)</u> : Exempt from reference classified substances and mixtures in the ranges 5 • LD <sub>50</sub> • 25 mg/kg bw and 200 • LD <sub>50</sub> • 300 mg/kg bw - <u>Acute Toxicity, category 1 (inhalation of dust / mist / fume)</u> : Include in

		<p>reference substances and mixtures classified in GHS category 2 up to <math>LC_{50} \bullet 0.25 \text{ mg/l/4h}</math></p> <ul style="list-style-type: none"> <li>- <u>Acute Toxicity, category 1 (oral)</u>: Include in reference substances and mixtures classified in GHS category 2 up to <math>LD_{50} \bullet 25 \text{ mg/kg bw}</math></li> <li>- <u>STOST (single exposure), cat. 1 (oral)</u>: Exempt from reference classified substances <math>LD_{50} \bullet 25 \text{ mg/kg bw}</math>; do not take account of such substances in mixture classification</li> <li>- <u>STOST (single exposure), cat. 1 (dermal)</u>: Exempt from reference classified substances with <math>LD_{50} \bullet 50 \text{ mg/kg bw}</math>; do not take account of such substances in mixture classification</li> <li>- <u>STOST (single exposure), cat. 1 (gas, vapour)</u>: Exempt from reference substances with <math>LC_{50} \bullet 0.5 \text{ mg/l/4h}</math>; do not take account of such substances in mixture classification</li> <li>- <u>STOST (single exposure), cat. 1 (dust / mist / fume)</u>: Exempt from reference substances with <math>LC_{50} \bullet 0.25 \text{ mg/l/4h}</math>; do not take account of such substances in mixture classification</li> <li>- <u>STOST (repeated exposure), cat. 1 (oral)</u>: Exempt from reference</li> </ul>
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		<p>substances with LD<sub>50</sub> • 5 mg/kg bw; do not take account of such substances in mixture classification</p> <ul style="list-style-type: none"> <li>- <u>STOST (repeated exposure), cat. 1 (dermal)</u>: Exempt from reference substances with LD<sub>50</sub> • 10 mg/kg bw; do not take account of such substances in mixture classification</li> <li>- <u>STOST (repeated exposure), cat. 1 (gas, vapour)</u>: Exempt from reference substances with LC<sub>50</sub> • 0.025 mg/l/6h/d; do not take account of such substances in mixture classification</li> <li>- <u>STOST (repeated exposure), cat. 2 (oral)</u>: Exempt from reference substances with LD<sub>50</sub> • 50 mg/kg bw; do not take account of such substances in mixture classification</li> <li>- <u>STOST (repeated exposure), cat. 2 (dermal)</u>: Exempt from reference substances with LD<sub>50</sub> • 100 mg/kg bw; do not take account of such substances in mixture classification</li> <li>- <u>STOST (repeated exposure), cat. 2 (gas, vapour)</u>: Exempt from reference substances with LC<sub>50</sub> • 0.25 mg/l/6h/d; do not take account of such substances in mixture classification</li> </ul>
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		Dir 67/548/EEC gives a positive test result
<p>Council Directive 91/689/EC of 12 December 1991 on hazardous waste</p> <p>Commission Decision 2000/532/EC of 3 May 2000 replacing Decision 94/3/EC establishing a list of wastes pursuant to Article 1(a) of Council Directive 75/442/EEC on waste and Council Decision 94/904/EC establishing a list of hazardous waste pursuant to Article 1(4) of Council Directive 91/689/EEC on hazardous waste</p>	<p>§ Reference to the classification criteria of Directive 67/548/EEC</p> <p>§ Reference to the generic concentration limits as defined in Directive 1999/45/EC</p> <p>§ Further references are disputed</p>	<p>§ <u>Acute Toxicity, category 4 (oral)</u>: Include in reference substances and mixtures classified in GHS category 3 from LD<sub>50</sub> • 200 mg/kg bw</p> <p>§ <u>Acute Toxicity, category 3 and 4 (dermal)</u>: Exempt from reference classified substances and mixtures in the range 200 • LD<sub>50</sub> • 400 mg/kg bw</p> <p>§ <u>Acute Toxicity, category 2 and 3 (inhalation of dust / mist / fume)</u>: Exempt from reference classified substances and mixtures in the range 0.05 • LC<sub>50</sub> • 0.25 mg/l/4h</p> <p>§ <u>Acute Toxicity, category 2 (dermal)</u>: Include in reference substances and mixtures classified in GHS category 3 up to LD<sub>50</sub> • 400 mg/kg bw</p> <p>§ <u>Acute Toxicity, category 2 and 3 (oral)</u>: Exempt from reference classified substances and mixtures in the ranges 5 • LD<sub>50</sub> • 25 mg/kg bw and 200 • LD<sub>50</sub> • 300 mg/kg bw</p> <p>§ <u>Acute Toxicity, category 1 (inhalation of dust / mist / fume)</u>: Include in reference substances and mixtures classified in GHS category 2 up to LC<sub>50</sub> • 0.25 mg/l/4h</p> <p>§ <u>Acute Toxicity, category 1 (oral)</u>: Include in</p>

		<p>reference substances and mixtures classified in GHS category 2 up to LD<sub>50</sub> • 25 mg/kg bw</p> <p>§ <b>Retain the current concentration limits as defined in Decision 2000/532/EC (similar to Solution 2); repeal the corresponding phrase in footnote 7 of Decision 2000/532/EC</b></p>
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