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

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

Eleventh session, 12-14 July 2006
Item 3(c) of the provisional agenda

HAZARD COMMUNICATION ISSUES

Codification of hazard and precautionary statements

Transmitted by the representative from the European Chemical Industry Council (CEFIC)
on behalf of the precautionary statements correspondence working group

Addendum 2

Revision of precautionary statement texts

Amendments to the text of the precautionary statements

Code	Revised text	Original text	Hazard class	Hazard category	
P101	If medical advice is needed, have product container or label at hand.	If medical advice is needed: Have product container or label at hand.			
P210	Keep away from heat/sparks/open flame/hot surfaces. – No smoking.	Keep away from heat/sparks/open flame. - No smoking.	Explosives (chapter 2.1)	Divisions 1.1, 1.2, 1.3, 1.4, 1.5	
			Flammable gases (chapter 2.2)	1, 2	
			Flammable aerosols (chapter 2.3)	1, 2	
			Flammable liquids (chapter 2.6)	1, 2, 3	
			Flammable solids (chapter 2.7)	1, 2	
			Self-reactive substances and mixtures (chapter 2.8)	Types A, B, C, D, E, F	
			Pyrophoric liquids (chapter 2.9)	1	
			Pyrophoric solids (chapter 2.10)	1	
			Organic peroxides (chapter 2.15)	Types A, B, C, D, E, F	
			Keep away from flames and hot surfaces.	Flammable liquids (chapter 2.6)	4
P211	Do not spray on an open flame or other ignition source.	Do not spray on an open flame or any white-hot material.	Keep away from heat.	Oxidizing liquids (chapter 2.13)	1, 2, 3
				Oxidizing solids (chapter 2.14)	1, 2, 3
P211	Do not spray on an open flame or other ignition source.	Do not spray on an open flame or any white-hot material.	Flammable aerosols (chapter 2.3)	1, 2	

Code	Revised text	Original text	Hazard class	Hazard category
P220	Keep/Store away from clothing/.../combustible materials.	Keep away from combustible materials.	Oxidizing gases (chapter 2.4)	1
		Keep away from ...	Self-reactive substances and mixtures (chapter 2.8)	Types A, B, C, D, E, F
			Organic peroxides (chapter 2.15)	Types A, B, C, D, E, F
		Keep away from clothing and other combustible materials. Store away from combustibles/...	Oxidizing liquids (chapter 2.13)	1
			Oxidizing solids (chapter 2.14)	1
		Store away from combustibles/...	Oxidizing liquids (chapter 2.13)	2, 3
			Oxidizing solids (chapter 2.14)	2, 3
P223	Keep away from any possible contact with water, because of violent reaction and possible flash fire.	Keep from any possible contact with water, because of violent reaction and possible flash fire.	Substances and mixtures which, in contact with water, emit flammable gases (chapter 2.12)	1, 2
P231 + P232	Handle under inert gas. Protect from moisture.	Handle under inert gas, protect from moisture.	Substances and mixtures which, in contact with water, emit flammable gases (chapter 2.12)	1, 2, 3
P235 + P410	Keep cool. Protect from sunlight.	Keep cool and protect from sunlight.	Self-heating substances and mixtures (chapter 2.11)	1, 2
P260	Do not breathe dust/fume/gas/mist/vapours/spray.	Do not breathe dust/fume/gas/mist/vapours/spray.	Acute toxicity – inhalation (chapter 3.1)	1, 2
			Specific target organ systemic toxicity – single exposure (chapter 3.8)	1, 2
			Specific target organ systemic toxicity – prolonged or repeated exposure (chapter 3.9)	1, 2
		Do not breathe dust or mist	Skin corrosion (chapter 3.2)	1A, 1B, 1C
			Reproductive toxicity – effects on or via lactation (chapter 3.7)	Additional category

Code	Revised text	Original text	Hazard class	Hazard category
P264	Wash ... thoroughly after handling.	Wash hands thoroughly after handling.	Acute toxicity – oral (chapter 3.1)	1, 2, 3, 4
			Acute toxicity – dermal (chapter 3.1)	1, 2
			Reproductive toxicity – effects on or via lactation (chapter 3.7)	Additional category
			Specific target organ systemic toxicity – single exposure (chapter 3.8)	1, 2
			Specific target organ systemic toxicity – prolonged or repeated exposure (chapter 3.9)	1
		Wash thoroughly after handling.	Skin corrosion (chapter 3.2)	1A, 1B, 1C
			Skin irritation (chapter 3.2)	2
Wash hands after handling.	Eye irritation (chapter 3.3)	2A, 2B		
P280	Wear protective gloves/protective clothing/eye protection/face protection.	Wear protective gloves/clothing and eye/face protection	Skin corrosion (chapter 3.2)	1A, 1B, 1C
		Wear protective gloves and eye/face protection	Flammable liquids (chapter 2.6)	1, 2, 3, 4
			Flammable solids (chapter 2.7)	1, 2
			Self-reactive substances and mixtures (chapter 2.8)	Types A, B, C, D, E, F
			Pyrophoric liquids (chapter 2.9)	1
			Pyrophoric solids (chapter 2.10)	1
			Self-heating substances and mixtures (chapter 2.11)	1, 2
			Substances and mixtures which, in contact with water, emit flammable gases (chap. 2.12)	1, 2, 3
			Oxidizing liquids (chapter 2.13)	1, 2, 3
			Oxidizing solids (chapter 2.14)	1, 2, 3
			Organic peroxides (chapter 2.15)	Types A, B, C, D, E, F

Code	Revised text	Original text	Hazard class	Hazard category
P280 (<i>cont'd</i>)		Wear protective gloves/clothing	Acute toxicity – dermal (chapter 3.1)	1, 2, 3, 4
		Wear protective gloves	Skin irritation (chapter 3.2)	2
			Skin sensitization (chapter 3.4)	1
		Wear eye/face protection	Severe eye damage (chapter 3.3)	1
			Eye irritation (chapter 3.3)	2A
Wear face protection	Explosives (chapter 2.1)	Divisions 1.1, 1.2, 1.3, 1.4, 1.5		
P302 + P334	IF ON SKIN: Immerse in cool water/wrap in wet bandages.	If on skin, immerse in cool water/wrap with wet bandages.	Pyrophoric liquids (chapter 2.9)	1
P304 + P340	IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing.	IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing	Acute toxicity – inhalation (chapter 3.1)	1, 2
P308 + P313	If exposed or concerned: Get medical advice/attention.	If exposed or concerned: Get medical attention/advice.	Germ cell mutagenicity (chapter 3.5)	1A, 1B, 2
			Carcinogenicity (chapter 3.6)	1A, 1B, 2
			Reproductive toxicity (chapter 3.7)	1A, 1B, 2
			Reproductive toxicity – effects on or via lactation (chapter 3.7)	Additional category
P309 + P311	IF exposed or if you feel unwell: Call a POISON CENTER or doctor/physician.	Call a POISON CENTER or doctor/ physician if exposed or you feel unwell:	Specific target organ systemic toxicity – single exposure (chapter 3.8)	2
P312	Call a POISON CENTER or doctor/physician if you feel unwell.	Call a POISON CENTER/doctor/physician if you feel unwell.	Acute toxicity – oral (chapter 3.1)	5
P314	Get medical advice/attention if you feel unwell.	Get medical attention/advice if you feel unwell.	Specific target organ systemic toxicity – prolonged or repeated exposure (chapter 3.9)	1, 2

Code	Revised text	Original text	Hazard class	Hazard category
P315	Get immediate medical advice/attention.	Seek immediate medical attention/advice.	Gases under pressure (chapter 2.5)	Refrigerated liquefied gas
P332 + P313	If skin irritation occurs: Get medical advice/ attention.	If skin irritation occurs, seek medical advice/ attention.	Skin irritation (chapter 3.2)	2, 3
P333 + P313	If skin irritation or rash occurs: Get medical advice/attention.	If skin irritation or rash occurs, seek medical advice/attention.	Skin sensitization (chapter 3.4)	1
P335 + P334	Brush off loose particles from skin. Immerse in cool water/wrap in wet bandages.	Brush off loose particles from skin and immerse in cool water/wrap in wet bandages.	Pyrophoric solids (chapter 2.10)	1
			Substances and mixtures which, in contact with water, emit flammable gases (chapter 2.12)	1, 2
P337 + P313	If eye irritation persists: Get medical advice/attention.	If eye irritation persists, get medical advice/ attention.	Eye irritation (chapter 3.3)	2A, 2B
P342 + P311	If experiencing respiratory symptoms: Call a POISON CENTER or doctor/ physician.	If experiencing respiratory symptoms call a POISON CENTER or doctor/physician.	Respiratory sensitization (chapter 3.4)	1
P362	Take off contaminated clothing and wash before re-use.	Take of contaminated clothing and wash before re-use	Skin irritation (chapter 3.2)	2
P363	Wash contaminated clothing before reuse.	Wash/Decontaminate removed clothing before reuse.	Acute toxicity – dermal (chapter 3.1)	1, 2, 3
P370 + P376	In case of fire: Stop leak if safe to do so.	In case of fire, stop leak if safe to do so.	Oxidizing gases (chapter 2.4)	1
P370 + P378	In case of fire: Use ... for extinction	In case of fire, use ... for extinction	Flammable liquids (chapter 2.6)	1, 2, 3, 4
			Flammable solids (chapter 2.7)	1, 2
			Self-reactive substances and mixtures (chapter 2.8)	Types A, B, C, D, E, F
			Pyrophoric liquids (chapter 2.9)	1
			Pyrophoric solids (chapter 2.10)	1
			Substances and mixtures which, in contact with water, emit flammable gases (chapter 2.12)	1, 2, 3
			Oxidizing liquids (chapter 2.13)	1, 2, 3
Oxidizing solids (chapter 2.14)	1, 2, 3			

Code	Revised text	Original text	Hazard class	Hazard category
P370 + P380	In case of fire: Evacuate area.	In case of fire, evacuate area.	Explosives (chapter 2.1)	Divisions 1.1, 1.2, 1.3, 1.4, 1.5
P380 + P375	Evacuate area. Fight fire remotely due to the risk of explosion.	Evacuate area and fight fire remotely due to the risk of explosion.	Self-reactive substances and mixtures (chapter 2.8)	Types A, B
			Oxidizing liquids (chapter 2.13)	1
			Oxidizing solids (chapter 2.14)	1
P402 + P404	Store in a dry place. Store in a closed container.	Store in a dry place and/or in a closed container.	Substances and mixtures which, in contact with water, emit flammable gases (chapter 2.12)	1, 2, 3
P403 + P233	Store in a well-ventilated place. Keep container tightly closed.	Store container tightly closed in well-ventilated place.	Acute toxicity – inhalation (chapter 3.1)	1, 2, 3
			Specific target organ systemic toxicity – single exposure; respiratory tract irritation (chapter 3.8)	3
			Specific target organ systemic toxicity – single exposure; narcosis (chapter 3.8)	3
P403 + P235	Store in a well-ventilated place. Keep cool.	Store in a cool/well-ventilated place.	Flammable liquids (chapter 2.6)	1, 2, 3, 4
			Self-reactive substances and mixtures (chapter 2.8)	Types A, B, C, D, E, F
P406	Store in corrosive resistant/... container with a resistant inner liner.	Store in corrosive resistant/... container with a resistant inliner.	Substances and mixtures corrosive to metals (chapter 2.16)	1
P410 + P403	Protect from sunlight. Store in a well-ventilated place.	Protect from sunlight and store in well-ventilated place.	Gases under pressure (chapter 2.5)	Compressed gas
				Liquefied gas
				Dissolved gas
P410 + P412	Protect from sunlight. Do not expose to temperatures exceeding 50 °C/ 122 °F.	Protect from sunlight and do not expose to temperatures exceeding 50 °C/122 °F.	Flammable aerosols (chapter 2.3)	1, 2
P411 + P235	Store at temperatures not exceeding ...°C/...°F. Keep cool.	Store in cool place at temperatures not exceeding ...°C/...°F.	Organic peroxides (chapter 2.15)	Types A, B, C, D, E, F

Amendments to the text of the precautionary statements concerning the conditions for use

Code	Revised text	Original text	Hazard class	Hazard category
P240	<i>- if product is volatile so as to generate hazardous atmosphere</i>	<i>- if product is as volatile as to generate hazardous atmosphere</i>	Flammable liquids (chapter 2.6)	1, 2, 3
P403+ P233	<i>- if product is volatile so as to generate hazardous atmosphere</i>	<i>- if product is as volatile as to generate hazardous atmosphere</i>	Acute toxicity – inhalation (chapter 3.1)	1, 2, 3
			Specific target organ systemic toxicity – single exposure (chapter 3.8): - respiratory tract irritation; - narcotic effects;	3
P260	Manufacturer/supplier or the competent authority to specify applicable conditions		Acute toxicity – inhalation (chapter 3.1)	1, 2, 3
			Specific target organ systemic toxicity – single exposure (chapter 3.8)	1, 2
			Specific target organ systemic toxicity – prolonged or repeated exposure (chapter 3.9)	1, 2
	<i>- if inhalable particles of dusts or mists may occur during use.</i>	<i>- if inhalable particles may occur during use.</i>	Skin corrosion (chapter 3.2)	1A, 1B, 1C
			Reproductive toxicity – effects on or via lactation (chapter 3.7)	Additional category
P261	Avoid breathing dust/fume/gas/mist/vapours/spray. Manufacturer/supplier or the competent authority to specify applicable conditions		Acute toxicity – inhalation (chapter 3.1)	3, 4
			Respiratory sensitization (chapter 3.4)	1
			Skin sensitization (chapter 3.4)	1
			Specific target organ systemic toxicity – single exposure; (chapter 3.8): - respiratory tract irritation - narcotic effects	3