

**Committee of Experts on the Transport of Dangerous Goods
and on the Globally Harmonized System of Classification
and Labelling of Chemicals**

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**Sub-Committee of Experts on the
Transport of Dangerous Goods**

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Geneva, 3– 11 December 2012

Item 8 (e) of the provisional agenda

**Issues relating to the Globally Harmonized System
of Classification and Labelling of Chemicals:
Miscellaneous**

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

Twenty-fourth session

Geneva, 12–14 December 2012

Item 2 (d) of the provisional agenda

**Updating of the Globally Harmonized System of
Classification and Labelling of Chemicals (GHS):
Annexes**

Amendments to precautionary statement P280

**Transmitted by the expert from the United Kingdom on behalf of the
informal correspondence group on Annexes 1-3 of the GHS**

Introduction

1. This paper proposes an adjustment to one of the proposals in ST/SG/AC.10/C.4/2012/19 to amend the precautionary statements in Annex 3 of the GHS. The adjustment addresses an issue that arose during completion of information document INF.5 (GHS, 24th session) –INF.8 (TDG, 42nd session).
2. Precautionary statement P280 currently reads “**Wear protective gloves/protective clothing/eye protection/face protection.**” The conditions for use contain further instructions on the type of equipment to be specified for some hazard classes, e.g. “*specify protective gloves/clothing*. Manufacturer/supplier or the competent authority to specify type of equipment”. However it is not clear whether in this case the label should just read “Wear protective gloves/clothing”, or whether an additional specification of the type of gloves or clothing should be made.
3. The proposal below makes it clear that an additional specification of the type of equipment, for example, to specify the material of gloves that are required (e.g. “wear nitrile gloves”) may be appropriate.
4. For some hazard classes, it has been proposed in ST/SG/AC.10/C.4/2012/19 to remove the specific instruction as to the type of equipment, so that the condition for use simply reads “manufacturer/supplier or the competent authority to specify the appropriate type of equipment”. In these cases no change is required since the intention is already clear.
5. Table A3.2.2 and the matrix tables in A3.3.5 of the GHS, as amended to take into account the new condition for use for P280 proposed in this document are reproduced in annexes 1 and 2.

Proposal

6. Replace the amendment to P280 in document ST/SG/AC.10/C.4/2012/19 and in annex 1 to informal document INF.5 (GHS) – INF.8 (TDG), with the following:

“For P280

For Explosives (chapter 2.1):

Remove the condition for use “- *specify face protection*” and amend the remaining wording to read: “manufacturer/supplier or the competent authority to specify the appropriate type of equipment”.

For the group of hazard classes “Acute toxicity (dermal)”, “Skin corrosion”, “skin irritation”, “skin sensitisation”, “severe eye damage” and “eye irritation”:

in the condition for use, *replace* “Manufacturer/supplier or the competent authority to specify type of equipment” *with* “Manufacturer/supplier or the competent authority may further specify type of equipment where appropriate”.

For the group of hazard classes “Flammable liquids”, “Flammable solids”, “self-reactive substances and mixtures”, “pyrophoric liquids”, “pyrophoric solids”, “self-heating substances and mixtures”, “Substances and mixtures which, in contact with water, emit flammable gases”, “oxidizing liquids”, “oxidizing solids” and “Organic peroxides”:

remove the condition for use: “- *specify protective gloves and eye/face protection*” and amend the remaining wording to read: “manufacturer/supplier or the competent authority to specify the appropriate type of equipment”.

For the group of hazard classes “Germ cell mutagenicity”, “carcinogenicity” and “reproductive toxicity”:

amend the condition for use to read “manufacturer/supplier or the competent authority to specify the appropriate type of equipment”.

Annex 1

Changes to precautionary statement P280 in table A3.2.2

Code	Prevention precautionary statements	Hazard class	Hazard category	Conditions for use	Explanation/Justification
(1)	(2)	(3)	(4)	(5)	
P280	Wear protective gloves/protective clothing/eye protection/face protection.	Explosives (chapter 2.1)	Unstable explosives and divisions 1.1, 1.2, 1.3, 1.4, 1.5	Manufacturer/supplier or the competent authority to specify the appropriate type of equipment.	Slash is appropriate because manufacturer/supplier or the competent authority should choose which phrase is appropriate. <u>Proposal to amend the conditions for use:</u> Face protection is not always appropriate, appropriate protection should rather be specified.
		Flammable liquids (chapter 2.6)	1, 2, 3, 4	Manufacturer/supplier or the competent authority to specify the appropriate type of equipment.	<u>Proposal to amend the conditions for use:</u> Appropriate protection should be specified.
		Flammable solids (chapter 2.7)	1, 2		
		Self-reactive substances and mixtures (chapter 2.8)	Types A, B, C, D, E, F		
		Pyrophoric liquids (chapter 2.9)	1		
		Pyrophoric solids (chapter 2.10)	1		
		Self-heating substances and mixtures (chapter 2.11)	1, 2		
		Substances and mixtures which, in contact with water, emit flammable gases (chapter 2.12)	1, 2, 3		

Code (1)	Prevention precautionary statements (2)	Hazard class (3)	Hazard category (4)	Conditions for use (5)	Explanation/Justification
		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		
		Acute toxicity – dermal (chapter 3.1)	1, 2, 3, 4	- <i>Specify protective gloves/clothing.</i> Manufacturer/supplier or the competent authority may further specify type of equipment where appropriate.	<u>Proposal to amend the conditions for use:</u> The proposal makes it clear that an additional specification of the type of equipment, for example, to specify the material of gloves that are required (e.g. “wear nitrile gloves”) may be appropriate.
		Skin corrosion (chapter 3.2)	1A, 1B, 1C	- <i>Specify protective gloves/clothing and eye/face protection.</i> Manufacturer/supplier or the competent authority may further specify type of equipment where appropriate.	
		Skin irritation (chapter 3.2)	2	- <i>Specify protective gloves.</i>	
		Skin sensitization (chapter 3.4)	1, 1A, 1B	Manufacturer/supplier or the competent authority may further specify type of equipment where appropriate.	
		Severe eye damage (chapter 3.3)	1	- <i>Specify eye/face protection.</i>	
		Eye irritation (chapter 3.3)	2A	Manufacturer/supplier or the competent authority may further specify type of equipment where appropriate.	
		Germ cell mutagenicity (chapter 3.5)	1A, 1B, 2	Manufacturer/supplier or the competent authority to specify the appropriate type of equipment.	
		Carcinogenicity (chapter 3.6)	1A, 1B, 2		
		Reproductive toxicity (chapter 3.7)	1A, 1B, 2		

Annex 2

Tables in A3.3.5 of the GHS as amended to take into account the new condition for use for P280 proposed in this document

EXPLOSIVES (Chapter 2.1)

Symbol
Exploding bomb

Hazard category	Signal word	Hazard statement
Unstable explosive	Danger	H200 Unstable explosive



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

EXPLOSIVES
(Chapter 2.1)

Symbol Exploding bomb



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

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

clothing/eye protection/face protection. Manufacturer/supplier or the competent authority to specify the appropriate type of equipment.			
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EXPLOSIVES
(Chapter 2.1)

Symbol Exploding bomb



Hazard category	Signal word	Hazard statement
Division 1.4	Warning	H204 Fire or projection hazard

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

EXPLOSIVES
(Chapter 2.1)

Symbol <i>No symbol</i>

Hazard category	Signal word	Hazard statement
Division 1.5	Danger	H205 May mass explode in fire

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

<p>Wear protective gloves/protective clothing/eye protection/face protection. Manufacturer/supplier or the competent authority to specify the appropriate type of equipment.</p>			
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FLAMMABLE LIQUIDS
(Chapter 2.6)

Symbol Flame

Hazard category	Signal word	Hazard statement	
1	Danger	H224	Extremely flammable liquid and vapour
2	Danger	H225	Highly flammable liquid and vapour
3	Warning	H226	Flammable liquid and vapour



Precautionary statements			
Prevention	Response	Storage	Disposal
<p>P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.</p> <p>P233 Keep container tightly closed. - if the liquid is volatile and may generate an explosive atmosphere.</p> <p>P240 Ground and bond container and receiving equipment - if the liquid is volatile and may generate an explosive atmosphere.</p> <p>P241 Use explosion-proof [electrical/ventilating/lighting/...]equipment. - if the liquid is volatile and may generate and explosive atmosphere. - may be omitted where local or national legislation introduces more specific provisions. - text in square brackets may be used to specify specific electrical, ventilating, lighting or other equipment if necessary and as appropriate.</p> <p>P242 Use non-sparking tools. - if the liquid is volatile and may generate an explosive atmosphere and if the minimum ignition energy is very low. (This applies to substances and mixtures</p>	<p>P303 + P361 + P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower]. - text in square brackets to be included where the manufacturer/supplier or the competent authority consider it appropriate for the specific chemical. P370 + P378 In case of fire: Use ... to extinguish. - if water increases risk. ... Manufacturer/supplier or the competent authority to specify appropriate media.</p>	<p>P403 + P235 Store in a well-ventilated place. Keep cool. - for flammable liquids Category 1 and other flammable liquids that are volatile and may generate an explosive atmosphere.</p>	<p>P501 Dispose of contents/container to... ... in accordance with local/regional/national/international regulations (to be specified). <u>Manufacturer/supplier or the competent authority to specify whether disposal requirements apply to contents, container or both.</u></p>

<p><i>where the minimum ignition energy is <0.1mJ, e.g. carbon disulfide).</i></p> <p>P243 Take action to prevent static discharges. - <i>if the liquid is volatile and may generate an explosive atmosphere.</i> - <i>may be omitted where local or national legislation introduces more specific provisions.</i></p> <p>P280</p> <p>Wear protective gloves/protective clothing/eye protection/face protection. Manufacturer/supplier or the competent authority to specify the appropriate type of equipment.</p>			
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FLAMMABLE LIQUIDS
(Chapter 2.6)

Symbol <i>No symbol</i>

Hazard category	Signal word	Hazard statement
4	Warning	H227 Combustible liquid

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

FLAMMABLE SOLIDS
(Chapter 2.7)

Symbol Flame



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

Precautionary statements			
Prevention	Response	Storage	Disposal
<p>P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.</p> <p>P240 Ground and bond container and receiving equipment.</p> <ul style="list-style-type: none"> - <i>if the solid is electrostatically sensitive.</i> <p>P241 Use explosion-proof [electrical/ventilating/lighting/...]equipment.</p> <ul style="list-style-type: none"> - - <i>if dust clouds can occur.</i> - <i>may be omitted where local or national legislation introduces more specific provisions.</i> - <i>text in square brackets may be used to specify specific electrical, ventilating, lighting or other equipment if necessary and as appropriate.</i>P280 <p>Wear protective gloves/protective clothing/eye protection/face protection.</p> <p>Manufacturer/supplier or the competent authority to specify the appropriate type of equipment.</p>	<p>P370 + P378 In case of fire: Use ... to extinguish</p> <ul style="list-style-type: none"> - <i>if water increases risk.</i> <p>... Manufacturer/supplier or the competent authority to specify appropriate media.</p>		

SELF-REACTIVE SUBSTANCES AND MIXTURES
(Chapter 2.8)



Symbol Exploding bomb

Hazard category	Signal word	Hazard statement
Type A	Danger	H240 Heating may cause an explosion



Precautionary statements			
Prevention	Response	Storage	Disposal
<p>P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.</p> <p>P234 Keep only in original packaging.</p> <p>P235 Keep cool. <i>- may be omitted if P411 is given on the label.</i></p> <p>P240 Ground and bond container and receiving equipment. <i>- if electrostatically sensitive and able to generate an explosive atmosphere.</i></p> <p>P280 Wear protective gloves/protective clothing/eye protection/face protection.. Manufacturer/supplier or the competent authority to specify the appropriate type of equipment.</p>	<p>P370 + P372 + P380 + P373 In case of fire: Explosion risk. Evacuate area. Do NOT fight fire when fire reaches explosives.</p>	<p>P403 Store in a well-ventilated place. <i>- except for temperature controlled self-reactive substances and mixtures or organic peroxides because condensation and consequent freezing may take place.</i></p> <p>P411 Store at temperatures not exceeding ...°C/...°F. <i>- if temperature control is required (according to section 2.8.2.3 or 2.15.2.3 of the GHS) or if otherwise deemed necessary.</i> ... Manufacturer/supplier or the competent authority to specify temperature using applicable temperature scale.</p> <p>P420 Store separately.</p>	<p>P501 Dispose of contents/container to... ... in accordance with local/regional/national/international regulations (to be specified). <u>Manufacturer/supplier or the competent authority to specify whether disposal requirements apply to contents, container or both.</u></p>

SELF-REACTIVE SUBSTANCES AND MIXTURES
(Chapter 2.8)

Hazard category	Signal word	Hazard statement	Symbol
Type B	Danger	H241 Heating may cause a fire or explosion	Explosion bomb and flame
			 

Precautionary statements			
Prevention	Response	Storage	Disposal
<p>P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.</p> <p>P234 Keep only in original packaging.</p> <p>P235 Keep cool. <i>- may be omitted if P411 is given on the label</i></p> <p>P240 Ground and bond container and receiving equipment. <i>- if electrostatically sensitive and able to generate an explosive atmosphere.</i></p> <p>P280 Wear protective gloves/protective clothing/eye protection/face protection. Manufacturer/supplier or the competent authority to specify the appropriate type of equipment.</p>	<p>P370 + P380 + P375 [+ P378] In case of fire: Evacuate area. Fight fire remotely due to the risk of explosion. [Use ... to extinguish.] <i>- text in square brackets to be used if water increases risk.</i> ...Manufacturer/supplier or the competent authority to specify appropriate media.</p>	<p>P403 Store in a well-ventilated place. <i>- except for temperature controlled self-reactive substances and mixtures or organic peroxides because condensation and consequent freezing may take place.</i></p> <p>P411 Store at temperatures not exceeding ...°C/...°F. <i>- if temperature control is required (according to section 2.8.2.3 or 2.15.2.3 of the GHS) or if otherwise deemed necessary.</i> ... Manufacturer/supplier or the competent authority to specify temperature using applicable temperature scale.</p> <p>P420 Store separately.</p>	<p>P501 Dispose of contents/container to... ...in accordance with local/regional/national/international regulations (to be specified). <u>Manufacturer/supplier or the competent authority to specify whether disposal requirements apply to contents, container or both.</u></p>

SELF-REACTIVE SUBSTANCES AND MIXTURES
(Chapter 2.8)

Symbol Flame

Hazard category	Signal word	Hazard statement	
Type C	Danger	H242	Heating may cause a fire
Type D	Danger	H242	Heating may cause a fire
Type E	Warning	H242	Heating may cause a fire
Type F	Warning	H242	Heating may cause a fire



Precautionary statements			
Prevention	Response	Storage	Disposal
<p>P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.</p> <p>P234 Keep only in original packaging.</p> <p>P235 Keep cool. <i>- may be omitted if P411 is given on the label</i></p> <p>P240 Ground and bond container and receiving equipment. <i>- if electrostatically sensitive and able to generate an explosive atmosphere.</i></p> <p>P280 Wear protective gloves/protective clothing/eye protection/face protection. Manufacturer/supplier or the competent authority to specify the appropriate type of equipment.</p>	<p>P370 + P378 In case of fire: Use ... to extinguish <i>- if water increases risk.</i> ... Manufacturer/supplier or the competent authority to specify appropriate media.</p>	<p>P403 Store in a well-ventilated place. <i>- except for temperature controlled self-reactive substances and mixtures or organic peroxides because condensation and consequent freezing may take place.</i></p> <p>P411 Store at temperatures not exceeding ...°C/...°F. <i>- if temperature control is required (according to section 2.8.2.3 or 2.15.2.3 of the GHS) or if otherwise deemed necessary.</i> ...Manufacturer/supplier or the competent authority to specify temperature using applicable temperature scale.</p> <p>P420 Store separately.</p>	<p>P501 Dispose of contents/container to... ...in accordance with local/regional/national/international regulations (to be specified). <u>Manufacturer/supplier or the competent authority to specify whether disposal requirements apply to contents, container or both.</u></p>

PYROPHORIC LIQUIDS
(Chapter 2.9)

Symbol Flame

Hazard category	Signal word	Hazard statement
1	Danger	H250 Catches fire spontaneously if exposed to air



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

PYROPHORIC SOLIDS
(Chapter 2.10)

Symbol Flame

Hazard category	Signal word	Hazard statement
1	Danger	H250 Catches fire spontaneously if exposed to air



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

SELF-HEATING SUBSTANCES AND MIXTURES
(Chapter 2.11)

Symbol Flame

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



Precautionary statements			
Prevention	Response	Storage	Disposal
<p>P235 Keep cool. <i>- may be omitted if P413 is given on the label</i></p> <p>P280 Wear protective gloves/protective clothing/eye protection/face protection. Manufacturer/supplier or the competent authority to specify the appropriate type of equipment.</p>		<p>P407 Maintain air gap between stacks or pallets.</p> <p>P410 Protect from sunlight.</p> <p>P413 Store bulk masses greater than ... kg/...lbs at temperatures not exceeding ...°C/...°F. ... Manufacturer/supplier or the competent authority to specify mass and temperature using applicable scale.</p> <p>P420 Store separately.</p>	

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

Symbol Flame

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



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

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

Symbol Flame

Hazard category	Signal word	Hazard statement
3	Warning	H261 In contact with water releases flammable gas



Precautionary statements			
Prevention	Response	Storage	Disposal
P231 + P232 Handle and store contents under inert gas/... Protect from moisture. <i>- if the substance or mixture reacts readily with moisture in air.</i> ... Manufacturer/supplier or the competent authority to specify appropriate liquid or gas if “inert gas” is not appropriate. P280 Wear protective gloves/protective clothing/eye protection/face protection. Manufacturer/supplier or the competent authority to specify the appropriate type of equipment.	P370 + P378 In case of fire: Use ... to extinguish. <i>- if water increases risk.</i> ... Manufacturer/supplier or the competent authority to specify appropriate media.	P402 + P404 Store in a dry place. Store in a closed container.	P501 Dispose of contents/container to... ... in accordance with local/regional/national/international regulations (to be specified). <u>Manufacturer/supplier or the competent authority to specify whether disposal requirements apply to contents, container or both.</u>

OXIDIZING LIQUIDS
(Chapter 2.13)

Symbol
Flame over circle

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



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

OXIDIZING LIQUIDS
(Chapter 2.13)

Symbol
Flame over circle



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

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

OXIDIZING SOLIDS
(Chapter 2.14)

Symbol Flame over circle

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



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

OXIDIZING SOLIDS
(Chapter 2.14)

Symbol
Flame over circle



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

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

ORGANIC PEROXIDES
(Chapter 2.15)

Symbol Exploding bomb



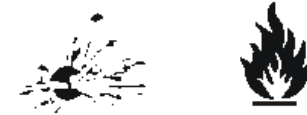
Hazard category	Signal word	Hazard statement
Type A	Danger	H240 Heating may cause an explosion

Precautionary statements			
Prevention	Response	Storage	Disposal
<p>P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.</p> <p>P234 Keep only in original packaging.</p> <p>P235 Keep cool. <i>- may be omitted if P411 is given on the label</i></p> <p>P240 Ground and bond container and receiving equipment. <i>- if electrostatically sensitive and able to generate an explosive atmosphere.</i></p> <p>P280 Wear protective gloves/protective clothing/eye protection/face protection. Manufacturer/supplier or the competent authority to specify the appropriate type of equipment.</p>	<p>P370 + P372 + P380 + P373 In case of fire: Explosion risk. Evacuate area. Do NOT fight fire when fire reaches explosives</p>	<p>P403 Store in a well-ventilated place. <i>- except for temperature controlled self-reactive substances and mixtures or organic peroxides because condensation and consequent freezing may take place.</i></p> <p>P411 Store at temperatures not exceeding ...°C/...°F. <i>- if temperature control is required (according to section 2.8.2.3 or 2.15.2.3 of the GHS) or if otherwise deemed necessary.</i> ... Manufacturer/supplier or the competent authority to specify temperature using applicable temperature scale.</p> <p>P410 Protect from sunlight.</p> <p>P420 Store separately.</p>	<p>P501 Dispose of contents/container to... ... in accordance with local/regional/national/international regulations (to be specified). <u>Manufacturer/supplier or the competent authority to specify whether disposal requirements apply to contents, container or both.</u></p>

ORGANIC PEROXIDES
(Chapter 2.15)

Symbol
Exploding bomb and flame

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



Precautionary statements			
Prevention	Response	Storage	Disposal
<p>P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.</p> <p>P234 Keep only in original packaging.</p> <p>P235 Keep cool. <i>- may be omitted if P411 is given on the label</i></p> <p>P240 Ground and bond container and receiving equipment. <i>- if electrostatically sensitive and able to generate an explosive atmosphere.</i></p> <p>P280 Wear protective gloves/protective clothing/eye protection/face protection. Manufacturer/supplier or the competent authority to specify the appropriate type of equipment.</p>	<p>P370 + P378 In case of fire: Use ... to extinguish ... Manufacturer/supplier or the competent authority to specify appropriate media. — if water increases risk.</p> <p>P370 + P380 + P375 In case of fire: Evacuate area. Fight fire remotely due to the risk of explosion.</p> <p>P370 + P380 + P375 [+ P378] In case of fire: Evacuate area. Fight fire remotely due to the risk of explosion. [Use ... to extinguish.] <i>- text in square brackets to be used if water increases risk.</i> ... Manufacturer/supplier or the competent authority to specify appropriate media.</p>	<p>P403 Store in a well-ventilated place. <i>- except for temperature controlled self-reactive substances and mixtures or organic peroxides because condensation and consequent freezing may take place.</i></p> <p>P411 Store at temperatures not exceeding ...°C/...°F. <i>- if temperature control is required (according to section 2.8.2.3 or 2.15.2.3 of the GHS) or if otherwise deemed necessary.</i></p> <p>... Manufacturer/supplier or the competent authority to specify temperature using applicable temperature scale.P410 Protect from sunlight.</p> <p>P420 Store separately.</p>	<p>P501 Dispose of contents/container to... ... in accordance with local/regional/national/international regulations (to be specified). <u>Manufacturer/supplier or the competent authority to specify whether disposal requirements apply to contents, container or both.</u></p>

ORGANIC PEROXIDES
(Chapter 2.15)

Symbol Flame



Hazard category	Signal word	Hazard statement
Type C	Danger	H242 Heating may cause a fire
Type D	Danger	H242 Heating may cause a fire
Type E	Warning	H242 Heating may cause a fire
Type F	Warning	H242 Heating may cause a fire

Precautionary statements			
Prevention	Response	Storage	Disposal
<p>P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.</p> <p>P234 Keep only in original packaging.</p> <p>P235 Keep cool. <i>- may be omitted if P411 is given on the label.</i></p> <p>P240 Ground and bond container and receiving equipment. <i>- if electrostatically sensitive and able to generate an explosive atmosphere.</i></p> <p>P280 Wear protective gloves/protective clothing/eye protection/face protection. Manufacturer/supplier or the competent authority to specify the appropriate type of equipment.</p>	<p>P370 + P378 In case of fire: Use ... to extinguish <i>- if water increases risk.</i> ... Manufacturer/supplier or the competent authority to specify appropriate media.</p>	<p>P403 Store in a well-ventilated place. <i>- except for temperature controlled self-reactive substances and mixtures or organic peroxides because condensation and consequent freezing may take place.</i></p> <p>P411 Store at temperatures not exceeding ...°C/...°F. <i>- if temperature control is required (according to section 2.8.2.3 or 2.15.2.3 of the GHS) or if otherwise deemed necessary.</i> ... Manufacturer/supplier or the competent authority to specify temperature using applicable temperature scale.</p> <p>P410 Protect from sunlight.</p> <p>P420 Store separately.</p>	<p>P501 Dispose of contents/container to... ... in accordance with local/regional/national/international regulations (to be specified). <u>Manufacturer/supplier or the competent authority to specify whether disposal requirements apply to contents, container or both.</u></p>

ACUTE TOXICITY - DERMAL
(Chapter 3.1)

Symbol Skull and crossbones

Hazard category	Signal word	Hazard statement
1	Danger	H310 Fatal in contact with skin
2	Danger	H310 Fatal in contact with skin



Precautionary statements			
Prevention	Response	Storage	Disposal
<p>P262 Do not get in eyes, on skin, or on clothing.</p> <p>P264 Wash ... thoroughly after handling. ... Manufacturer/supplier or the competent authority to specify parts of the body to be washed after handling.</p> <p>P270 Do not eat, drink or smoke when using this product.</p> <p>P280 Wear protective gloves/protective clothing. Manufacturer/supplier or the competent authority may further specify type of equipment where appropriate.</p>	<p>P302 + P352 IF ON SKIN: Wash with plenty of water/... ...Manufacturer/supplier or the competent authority may specify a cleansing agent if appropriate, or may recommend an alternative agent in exceptional cases if water is clearly inappropriate.</p> <p>P310 Immediately call a POISON CENTER/doctor/... ...Manufacturer/supplier or the competent authority to specify the appropriate source of emergency medical advice.</p> <p>P321 Specific treatment (see ... on this label) - <i>if immediate measures such as specific cleansing agent is advised.</i> ... Reference to supplemental first aid instruction.</p> <p>P361+ P364 Take off immediately all contaminated clothing and wash it before reuse.</p>	<p>P405 Store locked up.</p>	<p>P501 Dispose of contents/container to... ... in accordance with local/regional/national/international regulations (to be specified). <u>Manufacturer/supplier or the competent authority to specify whether disposal requirements apply to contents, container or both.</u></p>

ACUTE TOXICITY - DERMAL
(Chapter 3.1)

Symbol
Skull and crossbones



Hazard category	Signal word	Hazard statement
3	Danger	H311 Toxic in contact with skin

Precautionary statements			
Prevention	Response	Storage	Disposal
<p>P280 Wear protective gloves/protective clothing. Manufacturer/supplier or the competent authority may further specify type of equipment where appropriate.</p>	<p>P302 + P352 IF ON SKIN: Wash with plenty of water/... ...Manufacturer/supplier or the competent authority may specify a cleansing agent if appropriate, or may recommend an alternative agent in exceptional cases if water is clearly inappropriate.</p> <p>P312 Call a POISON CENTER/doctor/.../if you feel unwell. ...Manufacturer/supplier or the competent authority to specify the appropriate source of emergency medical advice.</p> <p>P321 Specific treatment (see ... on this label) - <i>if immediate measures such as specific cleansing agent is advised.</i> ... Reference to supplemental first aid instruction.</p> <p>P361 + P364 Take off immediately all contaminated clothing and wash it before reuse.</p>	<p>P405 Store locked up.</p>	<p>P501 Dispose of contents/container to... ... in accordance with local/regional/national/international regulations (to be specified). <u>Manufacturer/supplier or the competent authority to specify whether disposal requirements apply to contents, container or both.</u></p>

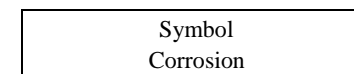
ACUTE TOXICITY - DERMAL
(Chapter 3.1)

Symbol Exclamation mark

Hazard category	Signal word	Hazard statement	
4	Warning	H312 Harmful in contact with skin	!

Precautionary statements			
Prevention	Response	Storage	Disposal
<p>P280 Wear protective gloves/protective clothing Manufacturer/supplier or the competent authority may further specify type of equipment where appropriate.</p>	<p>P302 + P352 IF ON SKIN: Wash with plenty of water/... ...Manufacturer/supplier or the competent authority may specify a cleansing agent if appropriate, or may recommend an alternative agent in exceptional cases if water is clearly inappropriate.</p> <p>P312 Call a POISON CENTER/doctor/.../if you feel unwell. ...Manufacturer/supplier or the competent authority to specify the appropriate source of emergency medical advice.</p> <p>P321 Specific treatment (see ... on this label) - <i>if immediate measures such as specific cleansing agent is advised.</i> ... Reference to supplemental first aid instruction.</p> <p>P362 + P364 Take off contaminated clothing and wash it before reuse.</p>		<p>P501 Dispose of contents/container to... ... in accordance with local/regional/national/international regulations (to be specified). <u>Manufacturer/supplier or the competent authority to specify whether disposal requirements apply to contents, container or both.</u></p>

SKIN CORROSION/IRRITATION
(Chapter 3.2)



Hazard category	Signal word	Hazard statement
1A to 1C	Danger	H314 Causes severe skin burns and eye damage

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

SKIN CORROSION/IRRITATION
(Chapter 3.2)

Symbol Exclamation mark

Hazard category	Signal word	Hazard statement
2	Warning	H315 Causes skin irritation



Precautionary statements			
Prevention	Response	Storage	Disposal
<p>P264 Wash ... thoroughly after handling. ... Manufacturer/supplier or the competent authority to specify parts of the body to be washed after handling.</p> <p>P280 Wear protective gloves. Manufacturer/supplier or the competent authority may further specify type of equipment where appropriate.</p>	<p>P302 + P352 IF ON SKIN: Wash with plenty water/... ...Manufacturer/supplier or the competent authority may specify a cleansing agent if appropriate, or may recommend an alternative agent in exceptional cases if water is clearly inappropriate.</p> <p>P321 Specific treatment (see ... on this label) Manufacturer/supplier or the competent authority may specify a cleansing agent if appropriate. ... Reference to supplemental first aid instruction.</p> <p>P332 + P313 If skin irritation occurs: Get medical advice. <i>– may be omitted when P333+P313 is given on the label</i></p> <p>P362 + P364 Take off contaminated clothing and wash it before reuse.</p>		

EYE DAMAGE/IRRITATION
(Chapter 3.3)

Symbol Corrosion



Hazard category	Signal word	Hazard statement
1	Danger	H318 Causes serious eye damage

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

EYE DAMAGE/IRRITATION
(Chapter 3.3)

Symbol Exclamation mark

Hazard category	Signal word	Hazard statement
2A	Warning	H319 Causes serious eye irritation



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

SENSITIZATION - SKIN
(Chapter 3.4)

Symbol Exclamation mark

Hazard category	Signal word	Hazard statement	
1, 1A, 1B	Warning	H317 May cause an allergic skin reaction	

Precautionary statements			
Prevention	Response	Storage	Disposal
<p>P261 Avoid breathing dust/fume/gas/mist/vapours/spray. <i>– may be omitted if P260 is given on the label</i> Manufacturer/supplier or the competent authority to specify applicable conditions.</p> <p>P272 Contaminated work clothing should not be allowed out of the workplace.</p> <p>P280 Wear protective gloves. Manufacturer/supplier or the competent authority may further specify type of equipment where appropriate.</p>	<p>P302 + P352 IF ON SKIN: Wash with plenty of water/... ...Manufacturer/supplier or the competent authority may specify a cleansing agent if appropriate, or may recommend an alternative agent in exceptional cases if water is clearly inappropriate.</p> <p>P333 + P313 If skin irritation or rash occurs: Get medical advice.</p> <p>P321 Specific treatment (see ... on this label) Manufacturer/supplier or the competent authority may specify a cleansing agent if appropriate. ... Reference to supplemental first aid instruction.</p> <p>P362 + P364 Take off contaminated clothing and wash it before reuse.</p>		<p>P501 Dispose of contents/container to... ... in accordance with local/regional/national/international regulations (to be specified). <u>Manufacturer/supplier or the competent authority to specify whether disposal requirements apply to contents, container or both.</u></p>

GERM CELL MUTAGENICITY
(Chapter 3.5)

Symbol Health hazard

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



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

CARCINOGENICITY
(Chapter 3.6)

Symbol Health hazard



Hazard category	Signal word	Hazard statement
1	Danger	H350 May cause cancer <...>
2	Warning	H351 Suspected of causing cancer <...>

<...> (state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard).

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

TOXIC TO REPRODUCTION
(Chapter 3.7)

Symbol Health hazard

Hazard category	Signal word	Hazard statement
1	Danger	H360 May damage fertility or the unborn child <...> <<...>>
2	Warning	H361 Suspected of damaging fertility or the unborn child <...> <<...>> <...> (state specific effect if known) <<...>> (state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard)



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